# 47 CFR PART 15 SUBPART E TEST REPORT

# for

# Wireless Transmitter

# Model No.: MTM-58

# FCC ID: M5X-MTM58

of

Applicant: MIPRO Electronics Co., Ltd.
Address: 814, Beigang Rd., Chiayi City 60096, Taiwan, R.O.C

Tested and Prepared

by

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: TW1477, TW0020, TW1072**

**Industry Canada filed test laboratory Reg. No. 20037**

**Report No.: W6M22104-20819-C-54**

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com

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# 1 General Information

## 1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.
The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.
Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.
Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.
The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.
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Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

Specific Conditions:
Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

Tester:

| Date | WTS-Lab. | Name | Signature |
|---|---|---|---|
| July 09, 2021 | | Kent Lin | Kent Lin |

**Technical responsibility for area of testing:**

| Date | WTS | Name | Signature |
|---|---|---|---|
| July 09, 2021 | | Kevin Wang | Kevin Wang |

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58

## 1.2 Testing laboratory

### 1.2.1 Location

OATS
No.5-1, Lishui, Shuang Sing Village,
Wanli Dist., New Taipei City 207,
Taiwan (R.O.C.)
3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL:886-2-6613-0228
FAX:886-2-2791-5046
Company
Worldwide Testing Services(Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

### 1.2.2 Details of accreditation status

Accredited testing laboratory

FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No. 20037

**Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.:**

| | |
|---|---|
| Name: | ./. |
| Accredited number: | ./. |
| Street: | ./. |
| Town: | ./. |
| Country: | ./. |
| Telephone: | ./. |
| Fax: | ./. |

## 1.3 Details of approval holder

| | |
|---|---|
| Name: | MIPRO Electronics Co., Ltd. |
| Street: | 814, Beigang Rd., |
| Town: | Chiayi City 600079, |
| Country: | Taiwan, R.O.C |
| Telephone: | +886-5-238-0809 |
| Fax: | +886-5-238-0803 |

## 1.4 Application details

| | |
|---|---|
| Date of receipt of test item: | April 19, 2021 |
| Date of test: | from April 20, 2021 to May 21, 2021 |

## 1.5 General information of Test item

| | |
|---|---|
| Type of test item: | Wireless Transmitter |
| Model Number: | MTM-58 |
| Brand Name: | MIPRO |
| Multi-listing model number: | MXX-5XXXXX (X=0~9,a~z,A~Z or Blank) |
| Photos: | see Appendix |

**Technical data**

Frequency band: 5.725GHz ~ 5.85GHz
Low Channel: 5735 MHz
Middle Channel: 5787 MHz
High Channel: 5839 MHz

Operating modes: Simplex

Type of modulation: GFSK

Fixed point to point operation: Yes / No

Antenna: FIX 1/4λ antenna

Antenna gain: 0 dBi
(Testing laboratory assumes no responsibility for affecting any validity of the result while the information which is provided by clients.)

Power supply: 12Vd.c.

Emission designator: 2M36G1D

Classification:

| | |
|---|---|
| Fixed Device | ☒ |
| Mobile Device (Human Body distance ＞ 20cm) | ☐ |
| Portable Device (Human Body distance ＜ 20cm) | ☐ |
| Modular Radio Device | ☐ |

Note: This device was functioned as a ☐Master ☐Slave device during the DFS

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58

Manufacturer: (if applicable)

| | |
|---|---|
| Name: | ./. |
| Street: | ./. |
| Town: | ./. |
| Country: | ./. |

| **Transmitter** | **Unom** |
|---|---|
| Power (A): | Conducted: 9.96 dBm |
| Power (B): | Conducted: 10.66 dBm |
| Power (C): | Conducted: 11.37 dBm |

## 1.6 Test standards

Technical standard : 47 CFR Part 15 Subpart E § 15.407 (2019-10)

# 2 Technical test

## 2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

**or**

The deviations were ascertained in the course of the tests performed. ☐

## 2.2 Test environment

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply: 12Vd.c.

| Test item Name | Uncertainty |
|---|---|
| Estimation Result of Uncertainty of Conducted Emission | Expanded Uncertainty:<br>AMN: 1.05 dB<br>Voltage probe: 1.05 dB |
| Estimation Result of Uncertainty of Radiated Emission(3M) | Expanded Uncertainty:<br>0.009-30 MHz: 2.13 dB<br>30-1000 MHz: 3.53 dB<br>1-18 GHz: 4.19 dB<br>18-40 GHz: 4.09 dB |
| Estimation Result of Uncertainty of Bandwidth Measurement<br>20 dB Bandwidth, Occupied bandwidth, Channel bandwidth, Necessary Bandwidth | Expanded Uncertainty: 0.41 kHz |
| Estimation Result of Uncertainty of Conducted Output Power Measurement Output power | Expanded Uncertainty: 1.61 dB |
| Estimation Result of Uncertainty of Power Density Measurement Power density | Expanded Uncertainty: 1.68 dB |
| Estimation Result of Uncertainty of Band Edge Measurement | Expanded Uncertainty: 1.33 dBc |
| Estimation Result of Uncertainty of Conducted Spurious Emission Measurement Conducted spurious emission | Expanded Uncertainty: 1.74 dB |
| Estimation Result of Uncertainty of EIRP Measurement<br>EIRP、ERP、Output power(dBm)、Radiated spurious emission(dBm), Receiver spurious radiations (≥30 MHz) | Expanded Uncertainty:<br>30-200MHz: 2.14dB<br>200-1000MHz: 2.4 dB<br>1-18GHz: 4.84 dB<br>18-40GHz: 4.31 dB |

The decision rule is: Measurement uncertainty is not included in the calculation of test results.

## 2.3 Test Equipment List

| No. | Test equipment | Type | Serial No. | Manufacturer | Cal. Date | Next Cal. Date |
|---|---|---|---|---|---|---|
| ETSTW-CE 001 | EMI TEST RECEIVER | ESHS10 | 842121/013 | R&S | 2020/6/11 | 2021/6/10 |
| ETSTW-CE 003 | AC POWER SOURCE | APS-9102 | D161137 | GW | Function Test | |
| ETSTW-CE 004 | ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK | ESH3-Z5 | 840731/011 | R&S | 2020/11/6 | 2021/11/5 |
| ETSTW-CE 006 | IMPULSBEGRENZER PULSE LIMITER | ESH3-Z2 | 100226 | R&S | 2020/9/22 | 2021/9/21 |
| ETSTW-CE 008 | HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP | 334.6010.02 | 844581/024 | R&S | Function Test | |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER | GTH-225-40-1P-U | MAA0305-009 | GIANT FORCE | 2020/7/22 | 2021/7/21 |
| ETSTW-CE 016 | TWO-LINE V-NETWORK | ENV216 | 100050 | R&S | 2020/10/26 | 2021/10/25 |
| ETSTW-CE 028 | MXE EMI Receiver | N9038A | MY53220110 | Agilent | 2020/7/29 | 2021/7/28 |
| ETSTW-RE 003 | EMI TEST RECEIVER | ESI 26 | 831438/001 | R&S | 2020/6/12 | 2021/6/11 |
| ETSTW-RE 004 | EMI TEST RECEIVER | ESI 40 | 832427/004 | R&S | 2020/9/14 | 2021/9/13 |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER | D.C 0309 | 146 | K&L | Function Test | |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER | D.C 0336 | 397 | K&L | Function Test | |
| ETSTW-RE 018 | MICROWAVE HORN ANTENNA | AT4560 | 27212 | AR | 2020/7/30 | 2021/7/29 |
| ETSTW-RE 019 | MICROWAVE HORN ANTENNA | 22240-25 | 121074 | FM | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 027 | Passive Loop Antenna | 6512 | 00034563 | ETS-Lindgren | 2020/7/8 | 2021/7/7 |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna | 3117 | 00035224 | ETS-Lindgren | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 042 | Biconical Antenna | HK116 | 100172 | R&S | 2021/3/18 | 2022/3/17 |
| ETSTW-RE 043 | Log-Periodic Dipole Antenna | HL223 | 100166 | R&S | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 044 | Log-Periodic Antenna | HL050 | 100094 | R&S | 2020/8/3 | 2021/8/2 |
| ETSTW-RE 045 | ESA-E SERIES SPECTRUM ANALYZER | E4404B | MY45111242 | Agilent | Pre-test Use | |
| ETSTW-RE 050 | Attenuator 10dB | 50HF-010-1 | None | JFW | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 051 | Attenuator 6dB | 50HF-006-1 | None | JFW | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 053 | Attenuator 3dB | 50HF-003-1 | None | JFW | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 055 | SPECTRUM ANALYZER | FSU 26 | 200074 | R&S | 2021/3/16 | 2022/3/15 |
| ETSTW-RE 060 | Attenuator 30dB | 5015-30 | F651012z-01 | ATM | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 062 | Amplifier Module | CHC 2 | None | KMIC | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 064 | Bluetooth Test Set | MT8852B-042 | 6K00005709 | Anritsu | Function Test | |
| ETSTW-RE 069 | Double-Ridged Guide Horn Antenna | 3117 | 00069377 | ETS-Lindgren | Function Test | |
| ETSTW-RE 072 | CELL SITE TEST SET | 8921A | 3339A00375 | HP | 2020/10/15 | 2021/10/14 |
| ETSTW-RE 088 | SOLID STATE AMPLIFIER | KMA180265A01 | 99057 | KMIC | 2020/9/17 | 2021/9/16 |
| ETSTW-RE 091 | Match Pad | MDCS1500 | None | WOKEN | 2021/5/20 | 2022/5/19 |
| ETSTW-RE 099 | DC Block | 50DB-007-1 | None | JFW | 2021/2/19 | 2022/2/18 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ETSTW-RE 112 | AC POWER SOURCE | TFC-1005 | T-0A023536 | T-Power | Function test | |
| ETSTW-RE 115 | 2.4GHz Notch Filter | N0124411 | 473874 | MICROWAVE CIRCUITS | 2021/1/6 | 2022/1/5 |
| ETSTW-RE 120 | RF Player | MP9200 | MP9210-111022 | ADIVIC | 2020/12/25 | 2021/12/24 |
| ETSTW-RE 122 | SIGNAL GENERATOR | SMF100A | 102149 | R&S | 2020/6/11 | 2021/6/10 |
| ETSTW-RE 125 | 5GHz Notch filter | 5NSL11-5200/E221.3-O/O | 1 | K&L Microwave | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 126 | 5GHz Notch filter | 5NSL12-5800/E221.3-O/O | 1 | K&L Microwave | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 127 | RF Switch Box | RFS-01 | None | WTS | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 128 | 5.3GHz Notch filter | N0153001 | SN487233 | Microwave Circuits | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 129 | 5.5GHz Notch filter | N0555984 | SN487234 | Microwave Circuits | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 130 | Handheld RF Spectrum Analyzer | N9340A | CN0147000204 | Agilent | Pre-test Use | |
| ETSTW-RE 142 | Amplifier | 8447D | 2805A03378 | Agilent | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 146 | Preamplifier | JPA-10M1G | 15090004 | JPT | 2020/6/5 | 2021/6/4 |
| ETSTW-RE 147 | Bi-log Hybrid Antenna | MCTD 2786B | BLB16M04005 | ETC | 2021/4/7 | 2022/4/6 |
| ETSTW-RE 148 | Bi-log Hybrid Antenna | MCTD 2786B | BLB16M04006 | ETC | 2020/7/9 | 2021/7/8 |
| ETSTW-RE 153 | Signal Analyzer | FSV40 | 101929 | R&S | 2020/10/1 | 2021/9/30 |
| ETSTW-RF 002 | Electromagnetic field probe | LF-30 | K-0007 | STT | 2020/6/9 | 2021/6/8 |
| ETSTW-EMI 011 | USB Compact Modulator | SFC-U | 101689 | R&S | 2021/5/20 | 2022/5/19 |
| ETSTW-GSM 002 | Universal Radio Communication Tester | CMU 200 | 109439 | R&S | 2021/3/16 | 2022/3/15 |
| ETSTW-GSM 003 | Radio Communication Analyzer | MT8820C | 6201342073 | Anritsu | 2021/4/27 | 2022/4/26 |
| ETSTW-GSM 004 | Wideband Radio Communication Tester | CMW500 | 128092 | R&S | 2020/11/10 | 2021/11/9 |
| ETSTW-GSM 019 | Band Reject Filter | WRCTF824/849-822/851-40 /12+9SS | 3 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 020 | Band Reject Filter | WRCD1747/1748-1743/1752-32/5SS | 1 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 021 | Band Reject Filter | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 022 | Band Reject Filter | WRCT901.9/903.1-904.25-50/8SS | 1 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 023 | Power Divider | 4901.19.A | None | SUHNER | 2020/9/8 | 2021/9/7 |
| ETSTW-GSM 024 | Radio Communication Analyzer | MT8821C | None | Anritsu | 2021/4/1 | 2022/3/31 |
| ETSTW-GSM 025 | Band Reject Filter | BRM19835 | 001 | Micro-Tronics | 2020/8/7 | 2021/8/6 |
| ETSTW-Cable 011 | SMA to N type Cable | RGU-400 | None | THERMAX | Pre-test Use NCR | |
| ETSTW-Cable 016 | BNC Cable | Switch Box | B Cable 1 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 017 | BNC Cable | X Cable | B Cable 2 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 018 | BNC Cable | Y Cable | B Cable 3 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 019 | BNC Cable | Z Cable | B Cable 4 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 020 | N TYPE Cable | OATS Cable 1 | N30N30-L335-15M | JYE BAO CO.,LTD. | 2020/7/1 | 2021/6/30 |
| ETSTW-Cable 027 | Microwave Cable | SUCOFLEX 104 | 279083 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 028 | Microwave Cable | FA147A0015M2020 | 30064-2 | UTIFLEX | 2020/9/17 | 2021/9/16 |
| ETSTW-Cable 029 | Microwave Cable | FA147A0015M2020 | 30064-3 | UTIFLEX | 2020/9/17 | 2021/9/16 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ETSTW-Cable 030 | Microwave Cable | SUCOFLEX 104（S_Cable 9） | 279067 | HUBER+SUHNER | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 043 | Microwave Cable | SUCOFLEX 104 | 317576 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 047 | Microwave Cable | SUCOFLEX 104 | 325518 | HUBER+SUHNER | 2020/7/3 | 2021/7/2 |
| ETSTW-Cable 058 | Microwave Cable | SUCOFLEX 104 | none | HUBER+SUHNER | 2020/6/5 | 2021/6/4 |
| ETSTW-Cable 064 | Microwave Cable | SUCOFLEX 104 | MY28891 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 071 | N TYPE CABLE | EMCCFD400-NM-NM-25000 | 170239 | EMCI | 2020/6/5 | 2021/6/4 |
| ETSTW-Cable 072 | SMA type cable (8m) | SUCOFLEX 104 | 805800/4 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 074 | SMA type cable (2m) | SUCOFLEX 104 | 802563/4 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| WTSTW-SW 002 | EMI TEST SOFTWARE | EZ_EMC | None | Farad | Version ETS-03A1 | |
| WTSTW-SW 006 | EMI TEST SOFTWARE | e3 | None | AUDIX | Version 9.161014 | |
| WTSTW-SW 008 | Signal studio | Agilent | None | AUDIX | Version 2.0.0.1 | |
| ETSTW-TH 002 | Thermohygrometer | 608-H1 | 45204317 | Testo | 2020/9/23 | 2021/9/22 |
| ETSTW-TH 003 | Wireless weather station | GAIA | N/A | TFA | 2020/12/3 | 2021/12/2 |

## 2.4 Test Procedure

The test procedures are performed following the test stands ANSI STANDARD C63.10 and FCC 789033 D02 General UNII Test Procedures New Rules v01r04.

■ Minimum Emission Bandwidth for the band 5.150-5.250 GHz, 5.725-5.850 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) $\geqslant 3 \times$ RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

■ 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section H)3)d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the 6-dB emission bandwidth to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section E). However, the 6-dB bandwidth must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth.

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

■ Maximum conducted output power

(i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
(ii) Set RBW = 1 MHz.
(iii) Set VBW ≥ 3 MHz.
(iv) Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
(v) Sweep time = auto.
(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".
(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

■ Power Density

The rules requires "maximum power spectral density" measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power…". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
   a) If Method SA-2 or SA-2 Alternative was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.
   b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus

a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW ≥1/T, where T is defined in section II.B.l.a).

b) Set VBW ≥3 RBW.

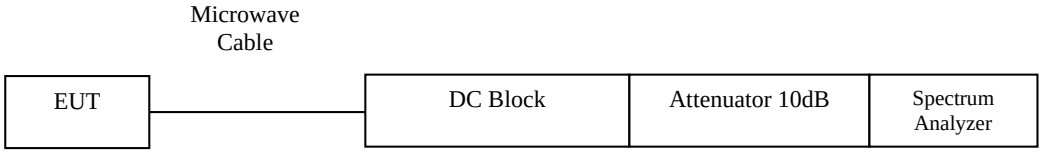
c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.

e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW=100 kHz is available on nearly all spectrum analyzers.

Conducted measurement test setup



## 3 Test results (enclosure)

| Test case | Para. Number | Required | Test passed | Test failed |
|---|---|---|---|---|
| Peak Transmit Power | 15.407(a) | ☒ | ☒ | ☐ |
| 6-dB emission bandwidth | 15.407(a) | ☒ | ☒ | ☐ |
| 26-dB emission bandwidth | 15.407(a) | ☐ | ☐ | ☐ |
| 99 % Occupied Bandwidth | 789033 D02 General UNII Test Procedures New Rules v01 | ☒ | ☒ | ☐ |
| Peak Power Spectral Density | 15.407(a) | ☒ | ☒ | ☐ |
| Undesirable emission limits | 15.407(b) | ☒ | ☒ | ☐ |
| Radio Frequency Exposure | 15.407(f) | ☒ | ☒ | ☐ |
| Transmit Power Control | 15.407(h) | ☐ | ☐ | ☐ |
| Dynamic Frequency Selection (DFS) | 15.407(h) | ☐ | ☐ | ☐ |
| Channel Move Time, Channel Closing Transmission Time | 15.407(i) | ☐ | ☐ | ☐ |
| Radiated Emission from Receiver Part | 15.109 | ☐ | ☐ | ☐ |
| AC Conducted Emissions | 15.207 | ☒ | ☒ | ☐ |

The following is intentionally left blank.

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58

## 3.1 Peak Transmit Power, FCC 15.407 (a)

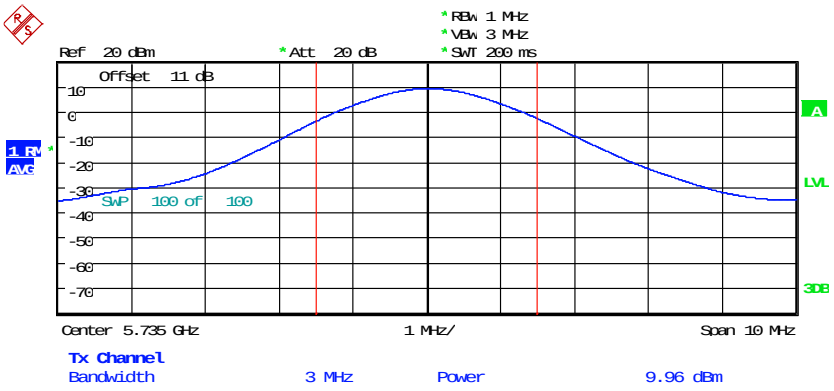
According to §15.407(a)

1. For the band 5.15-5.25 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W) for master device and 24 dBm (250 mW) for mobile/portable client device.

2. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 24 dBm (250 mW) or 11dBm + 10 log B, whichever is lower (B= 26-dB emission BW).

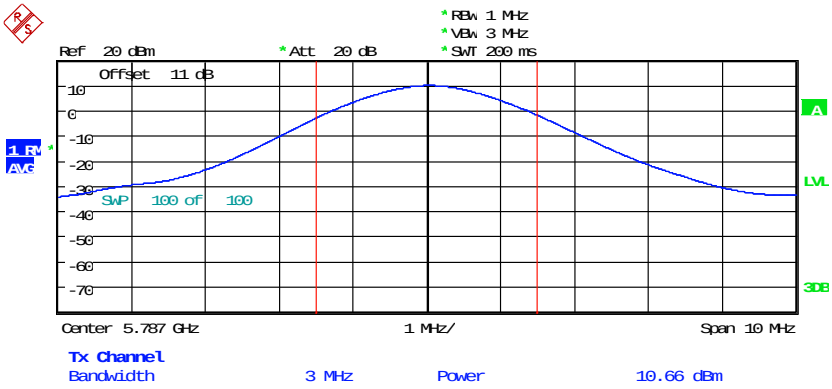
3. For the band 5.725-5.850 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W).

Test date: April 23, 2021
Temperature: 24.2 ˚C
Humidity: 53.2 %
Tester: Kent

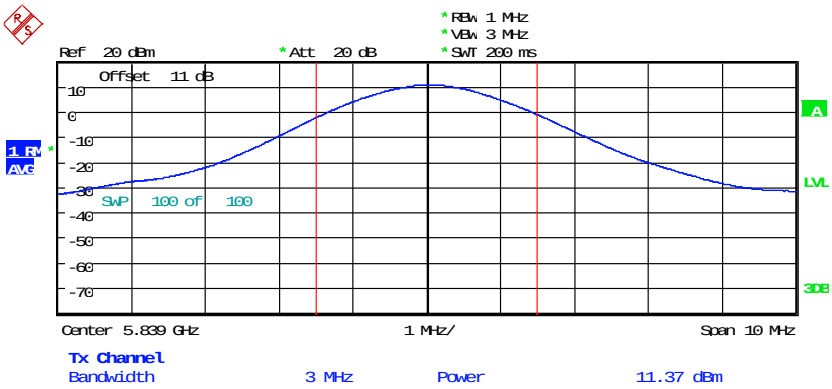



MAX OUTPUT POWER
Date: 23.APR.2021 15:12:37

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58




MAX OUTPUT POWER
Date: 23.APR.2021 15:13:27




MAX OUTPUT POWER
Date: 23.APR.2021 15:14:14

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

## 3.2 26dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

Result:
Test date: --
Temperature: -- ˚C
Humidity: -- %
Tester: --

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

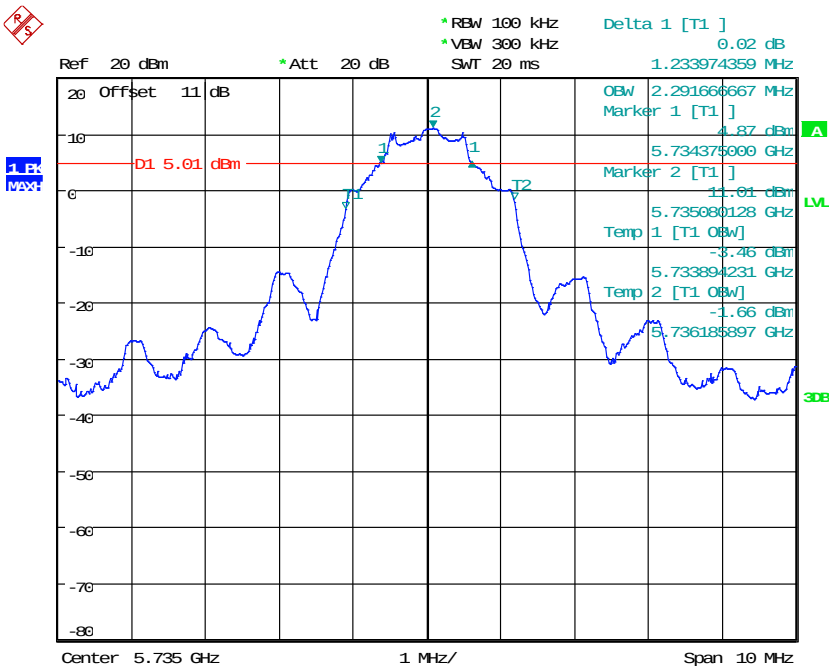
Explanation: The test is not required.

## 3.3 6dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

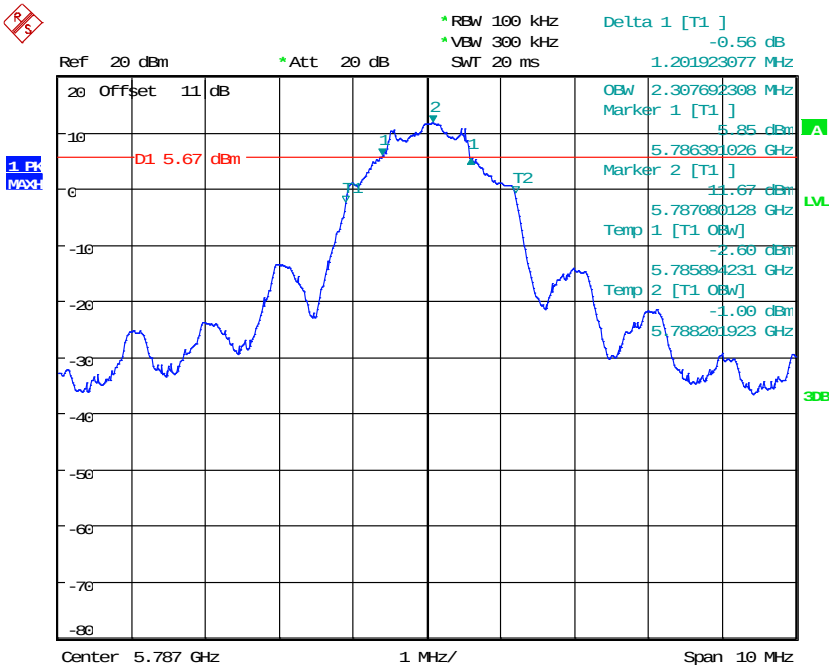
Result:

Test date: April 23, 2021
Temperature: 24.2 ˚C
Humidity: 53.2 %
Tester: Kent

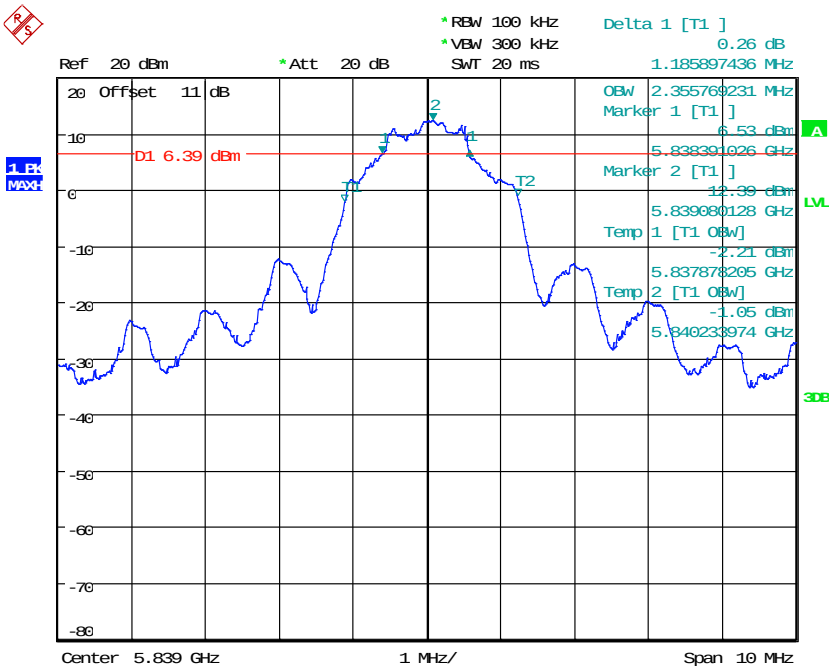



6DB BANDWIDTH
Date: 23.APR.2021 15:02:33

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58




6DB BANDWIDTH
Date: 23.APR.2021 15:03:39



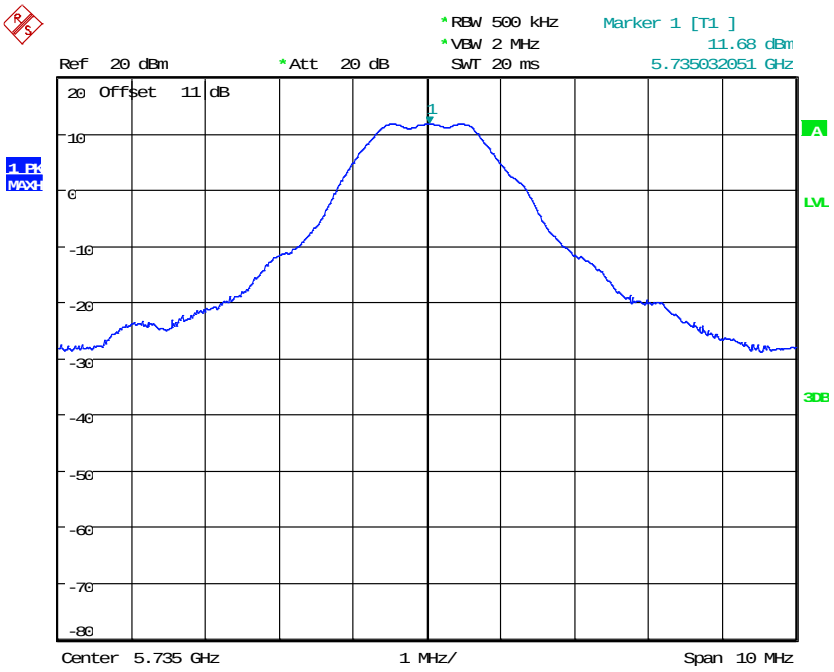

6DB BANDWIDTH
Date: 23.APR.2021 15:04:36

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58

## 3.4 Peak Power Spectral Density, FCC 15.407 (a)

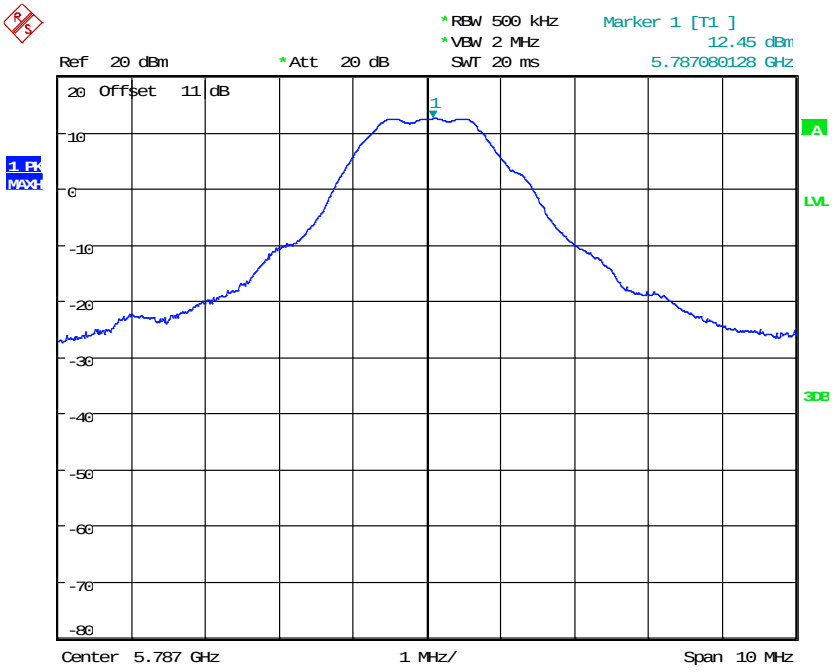
According to §15.407(a)
For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm/MHz for master device and 11 dBm/MHz for mobile/portable client device.
For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the peak power spectral density shall not exceed 11 dBm/MHz.
For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm/500kHz.

Test date: April 23, 2021
Temperature: 24.2 ˚C
Humidity: 53.2 %
Tester: Kent

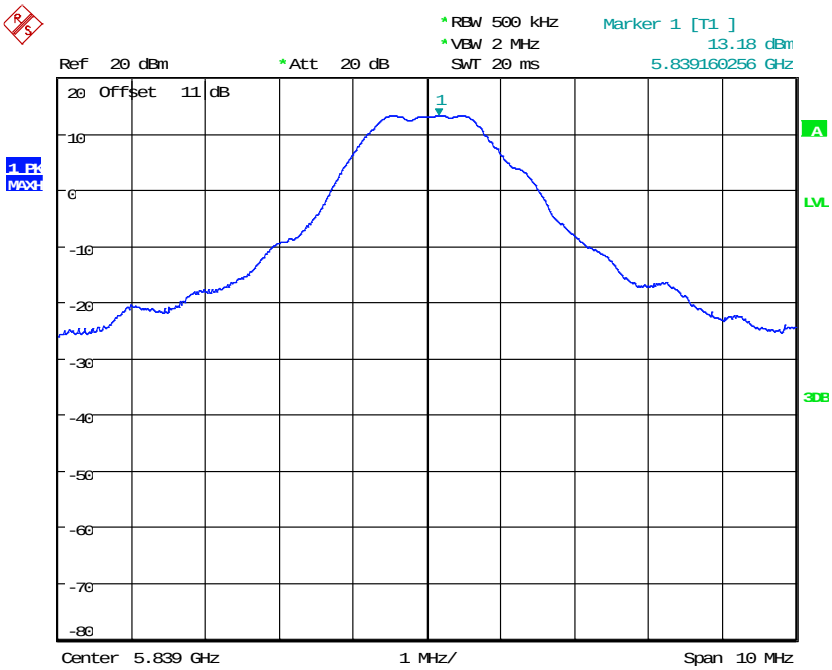



POWER DENSITY
Date: 23.APR.2021 15:08:48

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58




POWER DENSITY
Date: 23.APR.2021 15:08:29




POWER DENSITY
Date: 23.APR.2021 15:08:01

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

## 3.5 Undesirable emission limits, FCC 15.407 (b)

1. For transmitters operating in the 5.15–5.25 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.
2. For transmitters operating in the 5.25–5.35 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz. De-vices operating in the 5.25–5.35 GHz band that generate emissions in the 5.15–5.25 GHz band must meet all appli-cable technical requirements for operation in the 5.15–5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15–5.25 GHz band.
3. For transmitters operating in the 5.47–5.725 GHz band: all emissions out-side of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
4. For transmitters operating in the 5.725–5.850 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
5. The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
6. Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
7. According to According to KDB 789033 D02 General UNII Test Procedures v01, as specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.
8. If radiated measurements are performed, field strength is then converted to EIRP as follows:
   (i) EIRP = ((E*d)^2) / 30, where: E is the field strength in V/m; d is the measurement distance in meters. EIRP is the equivalent isotropically radiated power in watts.
   (ii) Working in dB units, the above equation is equivalent to: EIRP[dBm] = E[dBµV/m] + 20 log(d[meters]) - 104.77.
   (iii) Or, if d is 3 meters: EIRP[dBm] = E[dBµV/m] - 95.2.

| Applicable to | Limit | |
|---|---|---|
| ☒ | FIELD STRENGTH at 3m (dBµV/m) | |
| | PK | AV |
| | 74 | 54 |
| ☐ | EIRP LIMIT (dBm) | EQUIVALENT FIELD STRENGTH at 3m (dBµV/m) |
| | PK | PK |
| | -27 | 68.3 |

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58

Model: MTM-58 Date: --
Mode: -- Temperature: -- °C Engineer: --
Polarization: Horizontal Humidity: -- %

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

| Frequency (MHz) | Reading (dBuV) Peak | Reading (dBuV) Ave. | Factor (dB) Corr. | Result (dBuV/m) Peak | Result (dBuV/m) Ave. | Limit (dBuV/m) Peak | Limit (dBuV/m) Ave. | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Polarization: Vertical

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

| Frequency (MHz) | Reading (dBuV) Peak | Reading (dBuV) Ave. | Factor (dB) Corr. | Result (dBuV/m) Peak | Result (dBuV/m) Ave. | Limit (dBuV/m) Peak | Limit (dBuV/m) Ave. | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 147, ETSTW-RE 088, ETSTW-RE 018

Note:

1. Correction Factor = Antenna factor + Cable loss - Preamplifier
2. The formula of measured value as: Test Result = Reading + Correction Factor
3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
4. All not in the table noted test results are more than 20 dB below the relevant limits.
5. After evaluated, the test result in this report adopt the worst case to measure, please see attached diagrams in appendix.

## 3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.
This function will be declared by manufacturer.

## 3.7 Reserved, FCC 15.407 (d)

## 3.8 Indoor Operation Restriction, FCC 15.407 (e)

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

## 3.9 Equivalent Isotropic Radiated Power (EIRP), FCC 15.407 (f)

EIRP = max. conducted output power + antenna gain
EIRP = 11.37 dBm + 0 dBi [antenna gain claimed by manufacturer] = 11.37 dBm = 13.7088 mW

Test equipment used: ETSTW-RE 055

## 3.10 Exemption Limits for Routine Evaluation according to 47 CFR FCC Part 2 Subpart J, section 2.1091

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.
The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

**(A) Limits for Occupational/Controlled Exposure**

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) ($mW/cm^2$) | Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes) |
|---|---|---|---|---|
| 0.3-3.0 | 614 | 1.63 | (100)* | 6 |
| 3.0-30 | 1842/f | 4.89/f | ($900/f^2$)* | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | -- | -- | f/300 | 6 |
| 1500-100,000 | -- | -- | 5 | 6 |

**(B) Limits for General Population/Uncontrolled Exposure**

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) ($mW/cm^2$) | Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes) |
|---|---|---|---|---|
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | ($180/f^2$)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | -- | -- | f/1500 | 30 |
| 1500-100,000 | -- | -- | 1.0 | 30 |

f = frequency in MHz *Plane-wave equivalent power density

E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)
d = Separation distance between radiator and human body (m)
The formula can be changed to $mW/m^2$.

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

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Established separation distance is 20 cm.

Operating frequency band: 5735-5839 MHz

The product meets RF exposure requirement.
Because the power density of 0.0027 mW/cm$^2$ at 5839 MHz is below the power density limit of 1 mW/cm$^2$.

Limits:

| **Limit for General Population / Uncontrolled Exposure** | |
|---|---|
| Frequency (MHz) | Power Density (mW/cm$^2$) |
| 1500 – 100.000 | 1.0 |

## 3.11 Transmit Power Control (TPC)

Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Explanation: Max put power of the EUT is less than 500 mW (27dBm) so this test item is not required.

## 3.12 Dynamic Frequency Selection (DFS)

### 3.12.1 DFS Detection Threshold

### 3.12.2 Channel move time plot of Type1 radar waveform on 5270MHz

### 3.12.3 30Minutes Non-Occupancy Time

Test equipment used: ETSTW-RE 133, ETSTW-RE 134

Explanation: The test is not required because the EUT only has ISM Band.

## 3.13 Channel Move Time, Channel Closing Transmission Time

FCC Rule: 15.407(i)

Result :

| Parameter ( at 5290MHz ) | Test Result | Limit |
|---|---|---|
| | Type0 | |
| Channel Move Time (ms) | -- | <10s |
| Channel Close Transmission Time (ms) | -- | < 60ms |
| Parameter ( at 5530MHz ) | Test Result | Limit |
| | Type0 | |
| Channel Move Time (ms) | -- | <10s |
| Channel Close Transmission Time (ms) | -- | < 60ms |

Note: The Channel Close Transmission Time is compromised 200 milliseconds starting at the beginning of the Channel Move Time plus the additional intermittent control signal required to facilitate channel-move operation (an aggregate of 60milliseconds) during the remainder of the 10seconds period.

Test equipment used: ETSTW-RE 133, ETSTW-RE 134

Explanation: The test is not required.

## 3.14 Radiated Emissions from Receiver Part

FCC Rule: 15.109

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model: | MTM-58 | Date: | -- | | | | |
| Mode: | -- | Temperature: | -- | °C | Engineer: | -- | |
| Polarization: | Horizontal | Humidity: | -- | % | | | |

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

| Frequency (MHz) | Reading (dBuV) Peak | Reading (dBuV) Ave. | Factor (dB) Corr. | Result (dBuV/m) Peak | Result (dBuV/m) Ave. | Limit (dBuV/m) Peak | Limit (dBuV/m) Ave. | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Polarization: Vertical

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

| Frequency (MHz) | Reading (dBuV) Peak | Reading (dBuV) Ave. | Factor (dB) Corr. | Result (dBuV/m) Peak | Result (dBuV/m) Ave. | Limit (dBuV/m) Peak | Limit (dBuV/m) Ave. | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

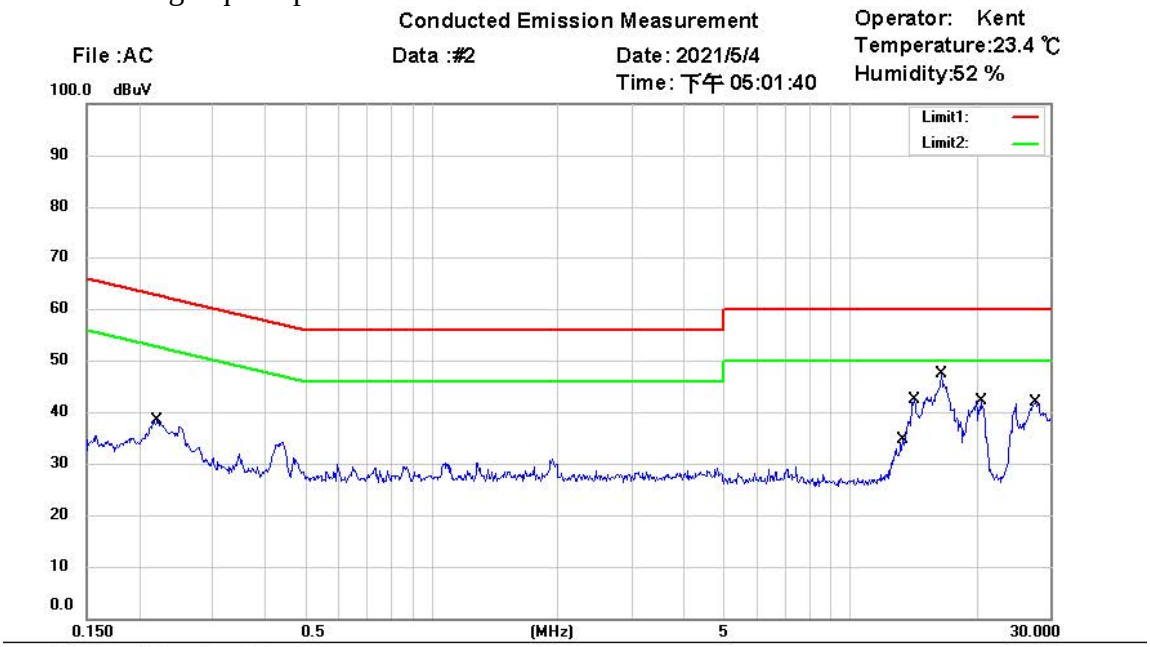
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 147, ETSTW-RE 088, ETSTW-RE 018

Explanation: The test is not required because the EUT is TX only.

## 3.15 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.




Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: N
EUT : W6M22104-20819
Power : 120Va.c.
M/N:
Test Mode :
Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|
| | 0.2200 | 20.34 | QP | 9.64 | 29.98 | 62.82 | -32.84 | |
| | 0.2200 | 14.28 | AVG | 9.64 | 23.92 | 52.82 | -28.90 | |
| | 13.3124 | 15.17 | QP | 10.03 | 25.20 | 60.00 | -34.80 | |
| | 13.3124 | 7.32 | AVG | 10.03 | 17.35 | 50.00 | -32.65 | |
| | 14.1624 | 19.62 | QP | 10.10 | 29.72 | 60.00 | -30.28 | |
| | 14.1624 | 12.88 | AVG | 10.10 | 22.98 | 50.00 | -27.02 | |
| | 16.4624 | 28.33 | QP | 10.15 | 38.48 | 60.00 | -21.52 | |
| * | 16.4624 | 20.36 | AVG | 10.15 | 30.51 | 50.00 | -19.49 | |
| | 20.4624 | 20.43 | QP | 10.14 | 30.57 | 60.00 | -29.43 | |
| | 20.4624 | 11.33 | AVG | 10.14 | 21.47 | 50.00 | -28.53 | |
| | 27.5874 | 23.51 | QP | 10.40 | 33.91 | 60.00 | -26.09 | |
| | 27.5874 | 14.06 | AVG | 10.40 | 24.46 | 50.00 | -25.54 | |

Registration number: W6M22104-20819-C-54
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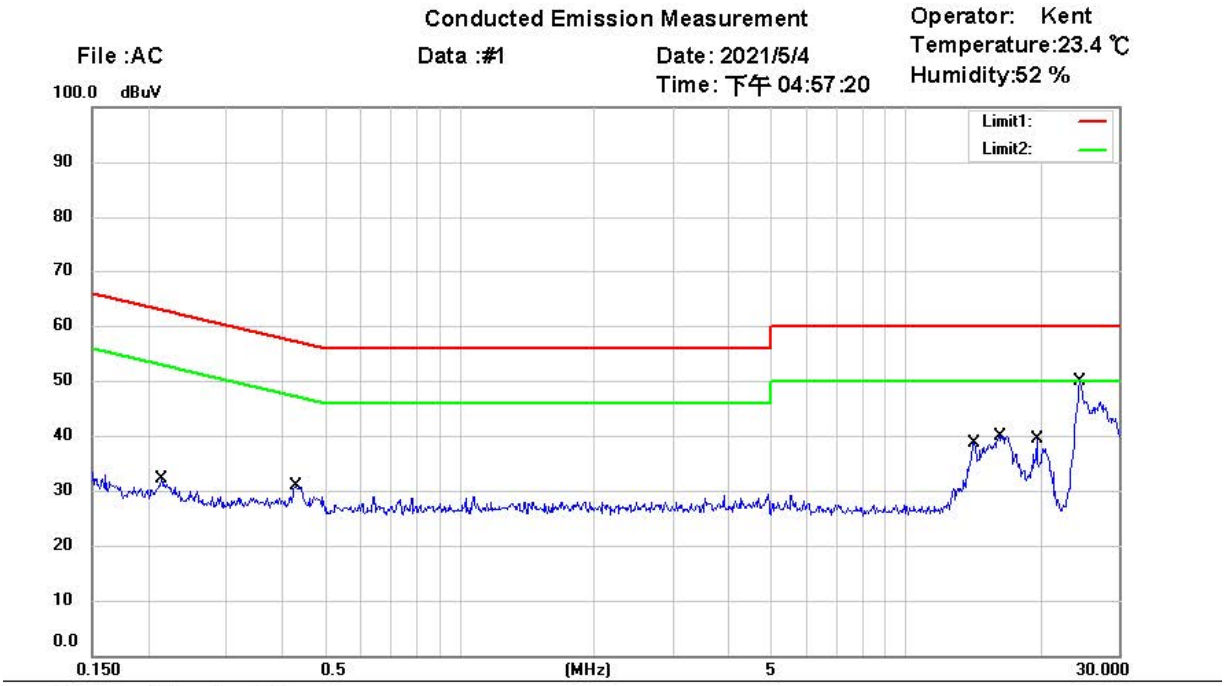



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP) Phase: L1
EUT : W6M22104-20819 Power : 120Va.c.
M/N:
Test Mode :
Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|
| | 0.2137 | 13.37 | QP | 9.65 | 23.02 | 63.06 | -40.04 | |
| | 0.2137 | 10.32 | AVG | 9.65 | 19.97 | 53.06 | -33.09 | |
| | 0.4291 | 13.22 | QP | 9.63 | 22.85 | 57.27 | -34.42 | |
| | 0.4291 | 8.46 | AVG | 9.63 | 18.09 | 47.27 | -29.18 | |
| | 14.1500 | 18.79 | QP | 10.02 | 28.81 | 60.00 | -31.19 | |
| | 14.1500 | 12.55 | AVG | 10.02 | 22.57 | 50.00 | -27.43 | |
| | 16.1875 | 22.78 | QP | 10.06 | 32.84 | 60.00 | -27.16 | |
| | 16.1875 | 14.41 | AVG | 10.06 | 24.47 | 50.00 | -25.53 | |
| | 19.6000 | 15.38 | QP | 10.00 | 25.38 | 60.00 | -34.62 | |
| | 19.6000 | 7.50 | AVG | 10.00 | 17.50 | 50.00 | -32.50 | |
| * | 24.4875 | 29.65 | QP | 10.12 | 39.77 | 60.00 | -20.23 | |
| | 24.4875 | 18.86 | AVG | 10.12 | 28.98 | 50.00 | -21.02 | |

**Note: 1. The formula of measured value as: Test Result = Reading + Correction Factor**
**2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss**
**3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
**4. All not in the table noted test results are more than 20 dB below the relevant limits.**
**5. Up Line: QP Limit Line, Down Line: Ave Limit Line.**

Registration number: W6M22104-20819-C-54
FCC ID: M5X-MTM58

**Limits:**

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|---|---|---|
| | Quasi Peak | Average |
| 0.15-0.5 | 66 to 56 | 56 to 46 |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW- RE 045.

# Appendix

## Photos

1. External Photos
2. Internal Photos
3. Set Up Photo of Radiated Emission
4. Set Up Photo of Conducted Emission

## Measurement diagrams

Spurious Emissions radiated

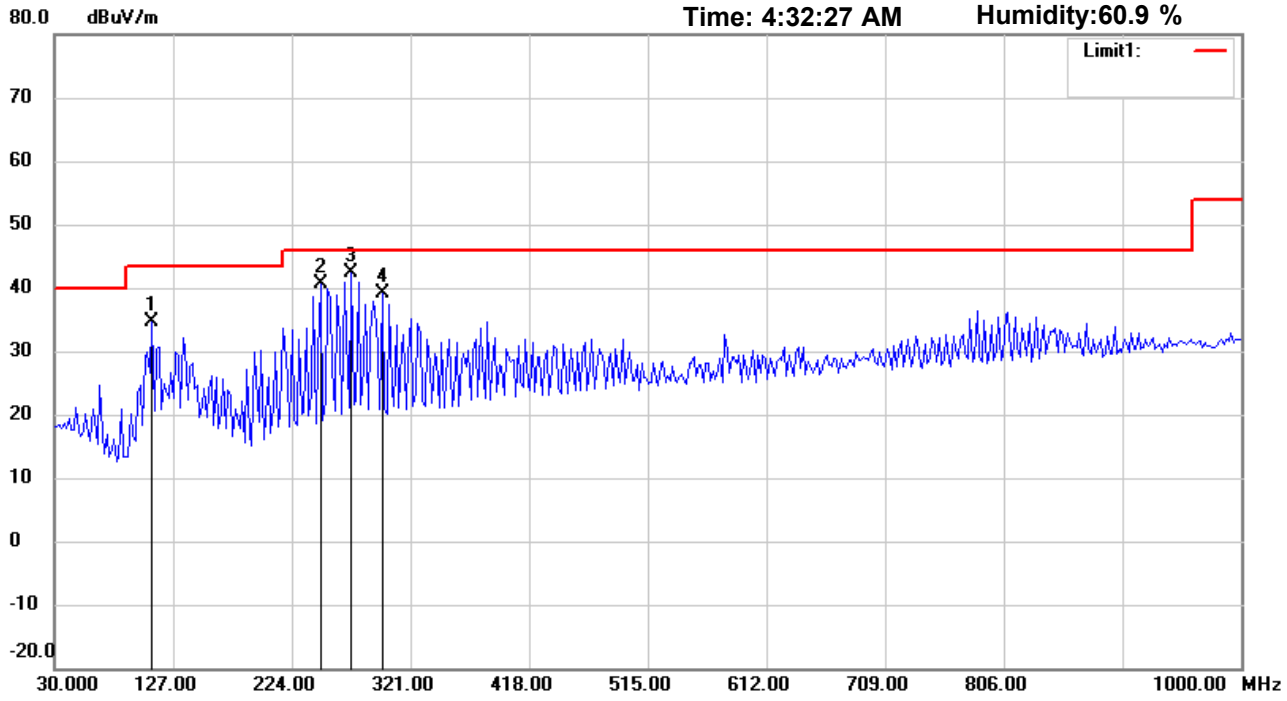
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1 Data :#1 Date: 5/6/2021 Time: 4:32:27 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 109.6993 | 42.78 | peak | -8.16 | 34.62 | 43.50 | 110 | 260 | -8.88 | |
| | 247.7153 | 48.57 | peak | -7.87 | 40.70 | 46.00 | 145 | 85 | -5.30 | |
| * | 272.9860 | 48.74 | peak | -6.44 | 42.30 | 46.00 | 105 | 130 | -3.70 | |
| | 298.2565 | 45.18 | peak | -5.98 | 39.20 | 46.00 | 100 | 175 | -6.80 | |

*:Maximum data x:Over limit !:over margin

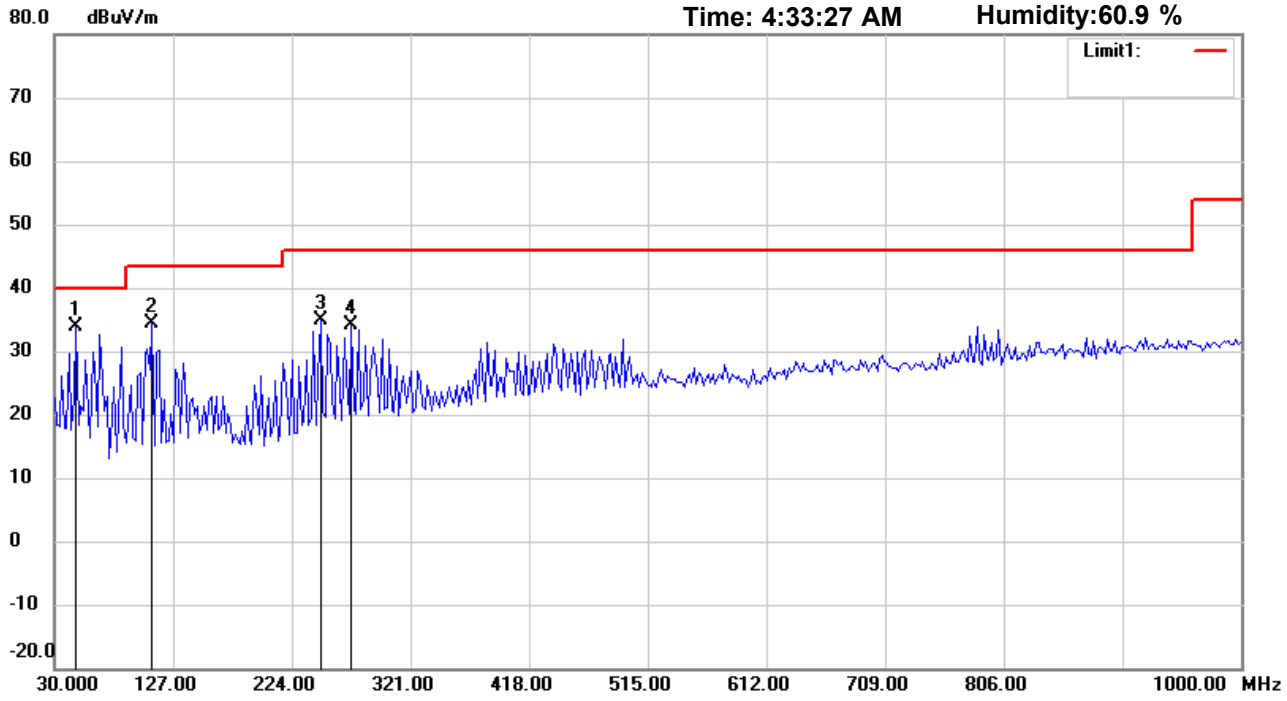
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1 Data :#2 Date: 5/6/2021 Time: 4:33:27 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 47.4950 | 44.07 | peak | -10.08 | 33.99 | 40.00 | 110 | 75 | -6.01 | |
| | 109.6994 | 42.50 | peak | -8.16 | 34.34 | 43.50 | 125 | 330 | -9.16 | |
| | 247.7154 | 42.65 | peak | -7.87 | 34.78 | 46.00 | 100 | 128 | -11.22 | |
| | 272.9860 | 40.62 | peak | -6.44 | 34.18 | 46.00 | 130 | 90 | -11.82 | |

*:Maximum data x:Over limit !:over margin

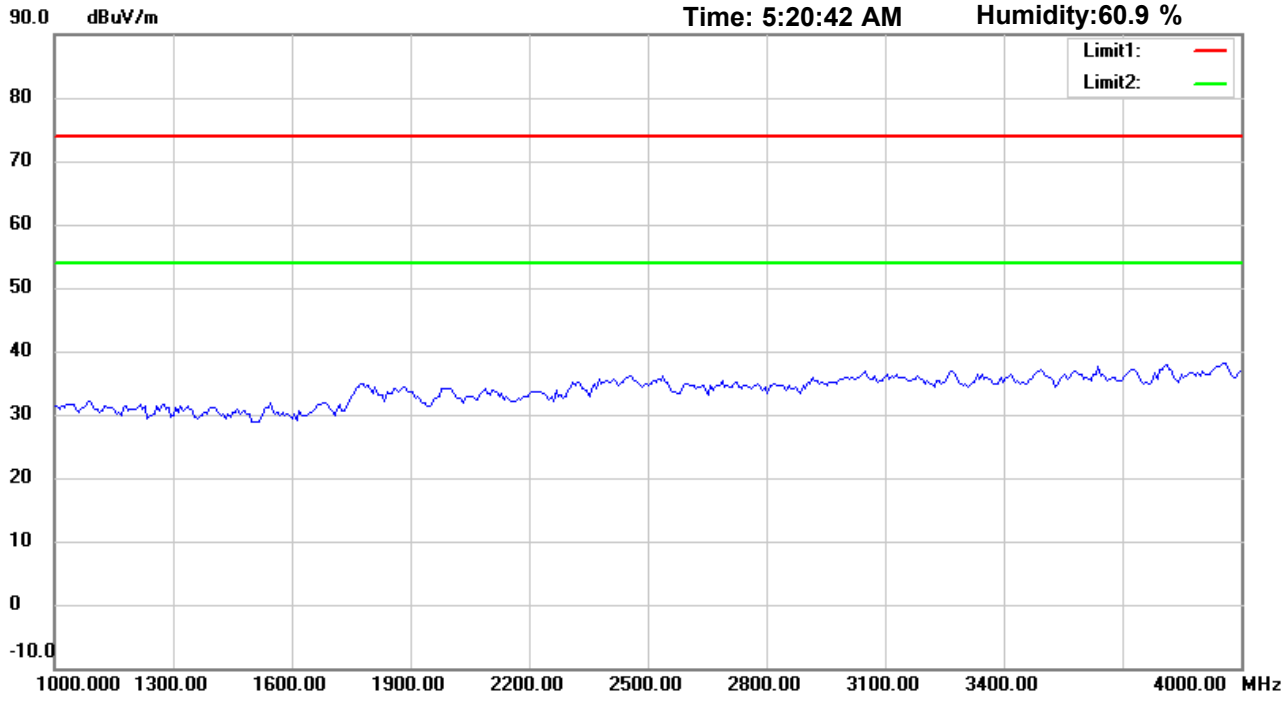
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 5/6/2021 Time: 5:20:42 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

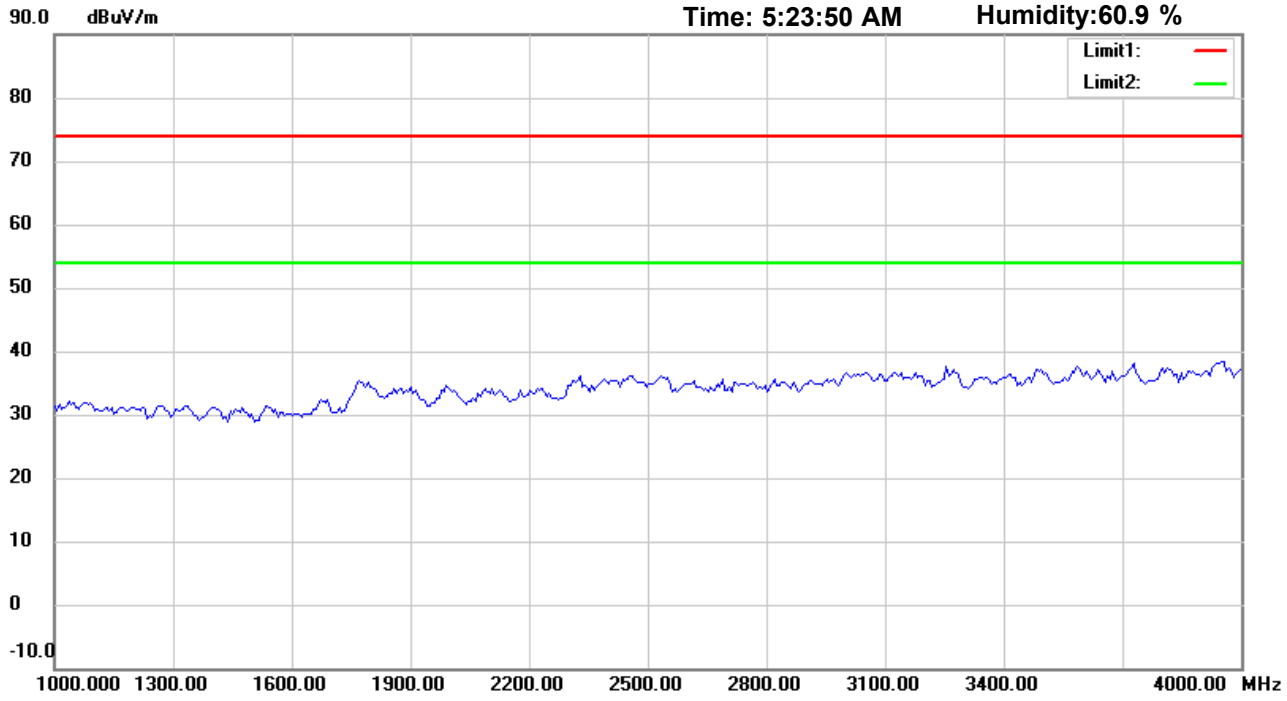
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 5/6/2021 Time: 5:23:50 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

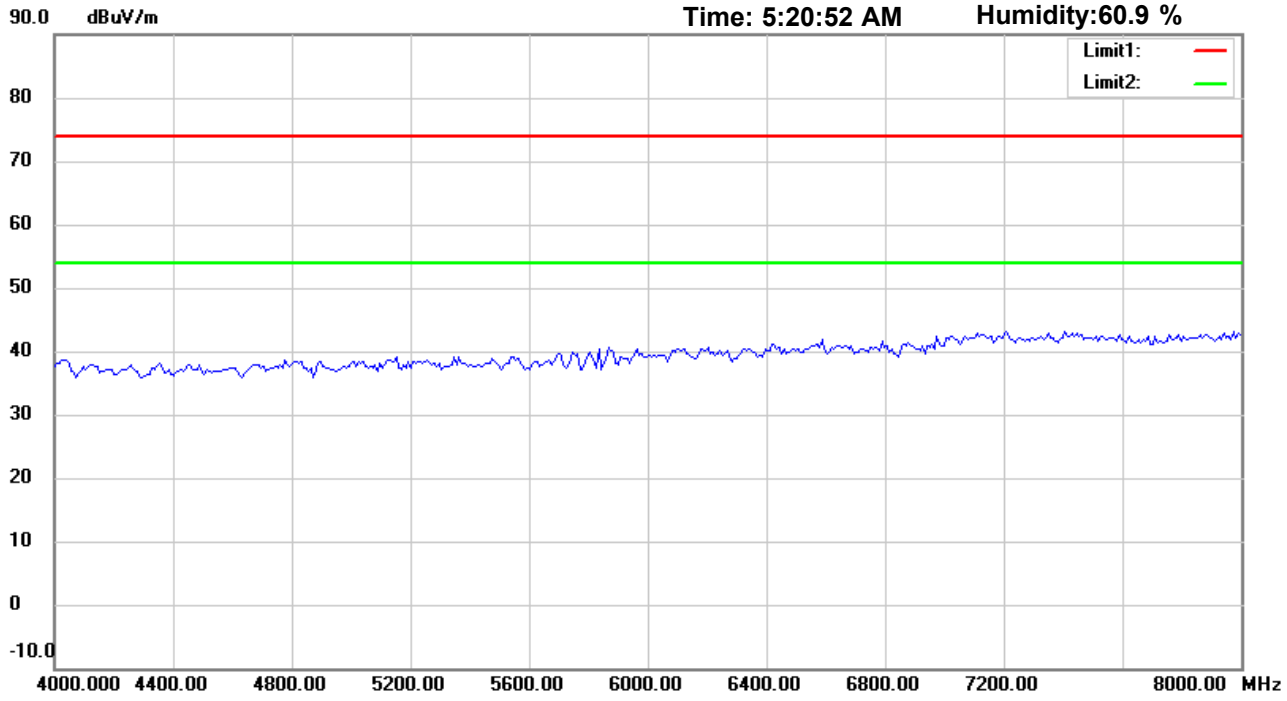
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 5/6/2021 Time: 5:20:52 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

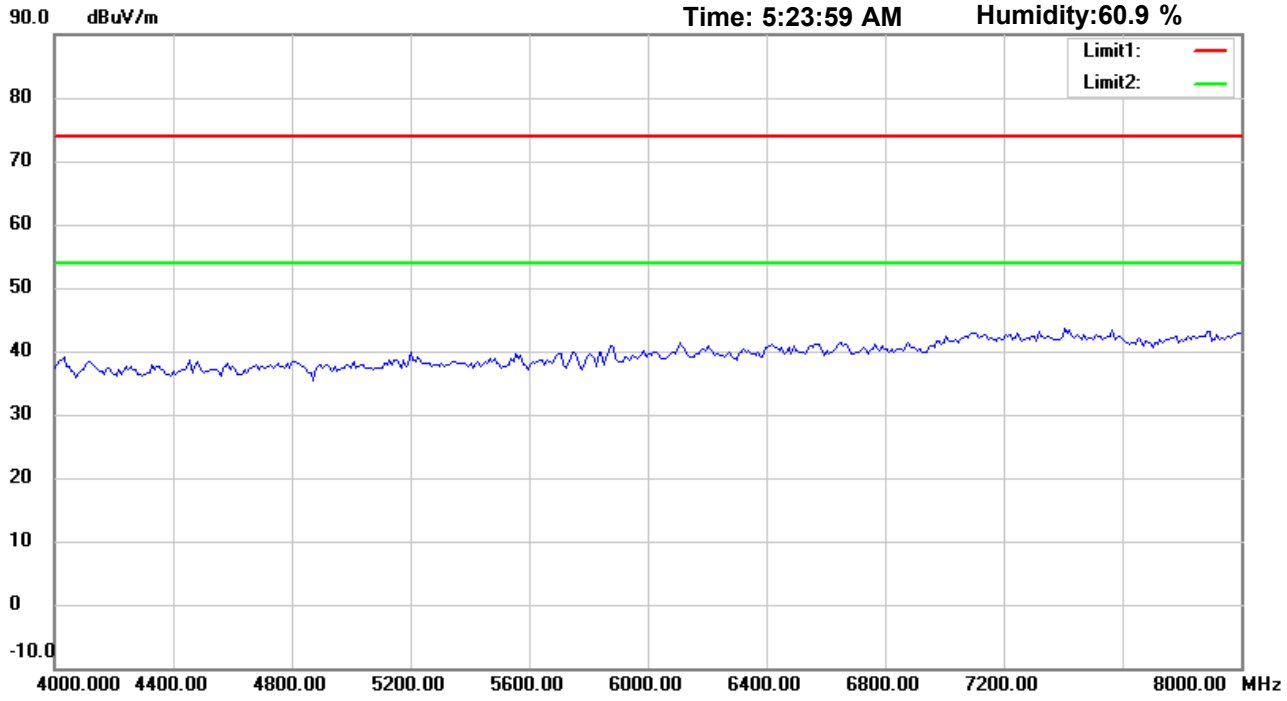
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 5/6/2021 Time: 5:23:59 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

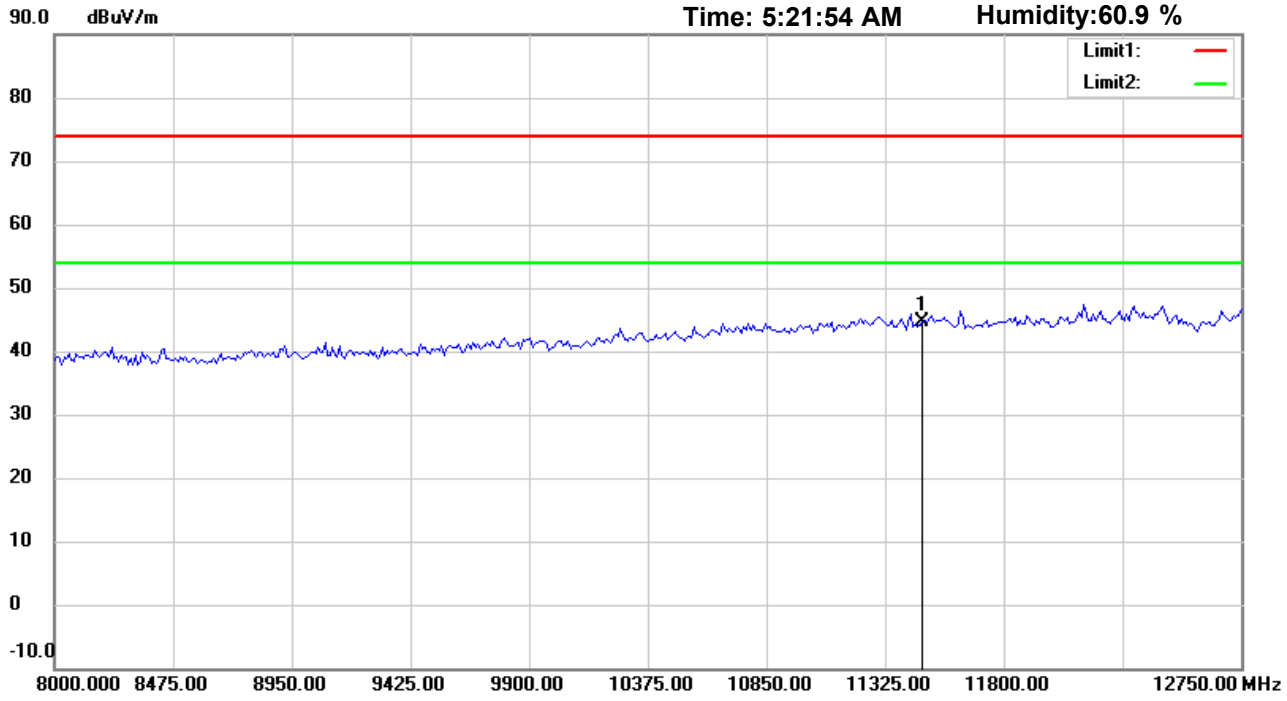
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 5/6/2021 Time: 5:21:54 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 11470.000 | 33.34 | peak | 11.33 | 44.67 | 74.00 | 150 | 38 | -29.33 | |

*:Maximum data x:Over limit !:over margin

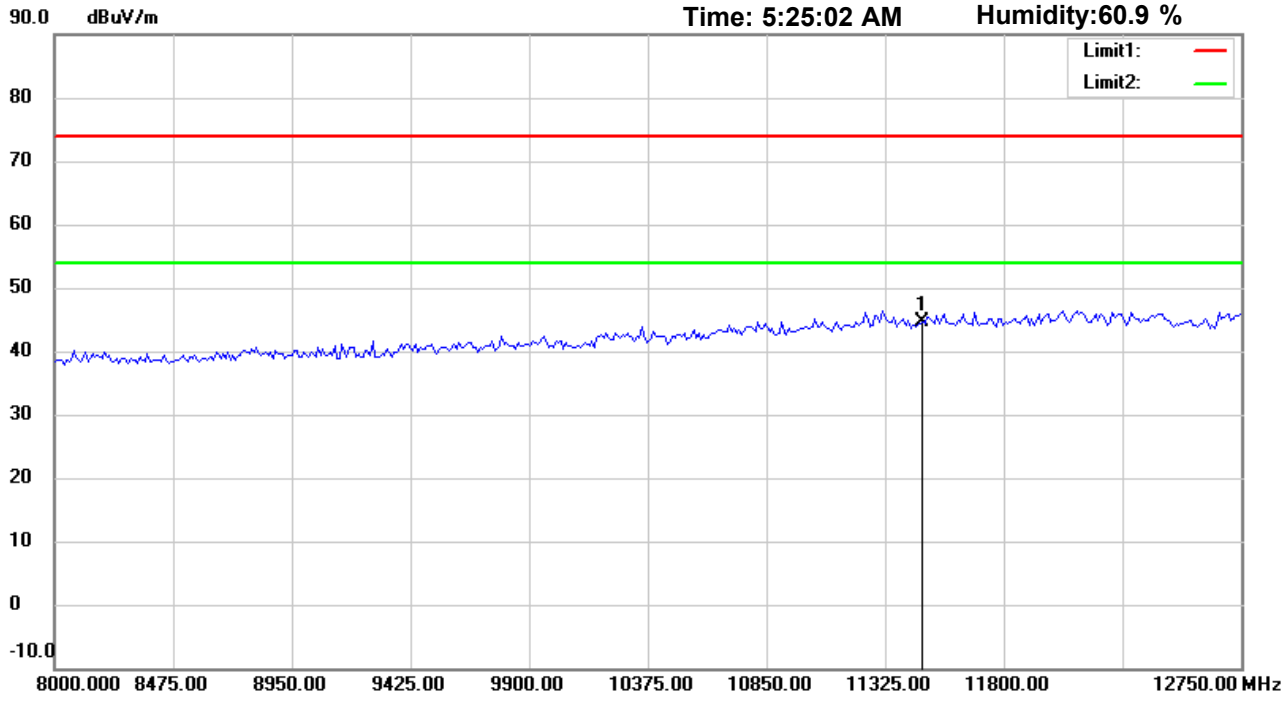
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 5/6/2021 Time: 5:25:02 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 11470.000 | 33.28 | peak | 11.33 | 44.61 | 74.00 | 150 | 80 | -29.39 | |

*:Maximum data x:Over limit !:over margin

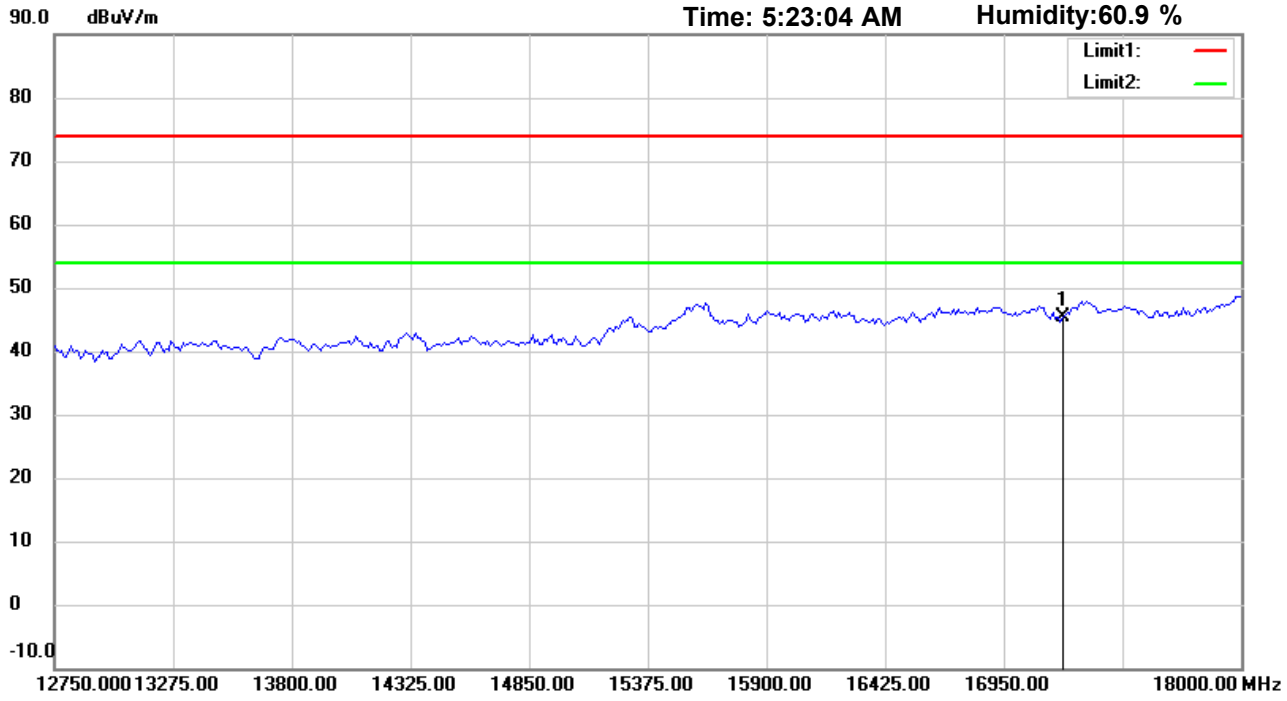
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 5/6/2021 Time: 5:23:04 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 17205.000 | 26.84 | peak | 18.52 | 45.36 | 74.00 | 150 | 286 | -28.64 | |

*:Maximum data x:Over limit !:over margin

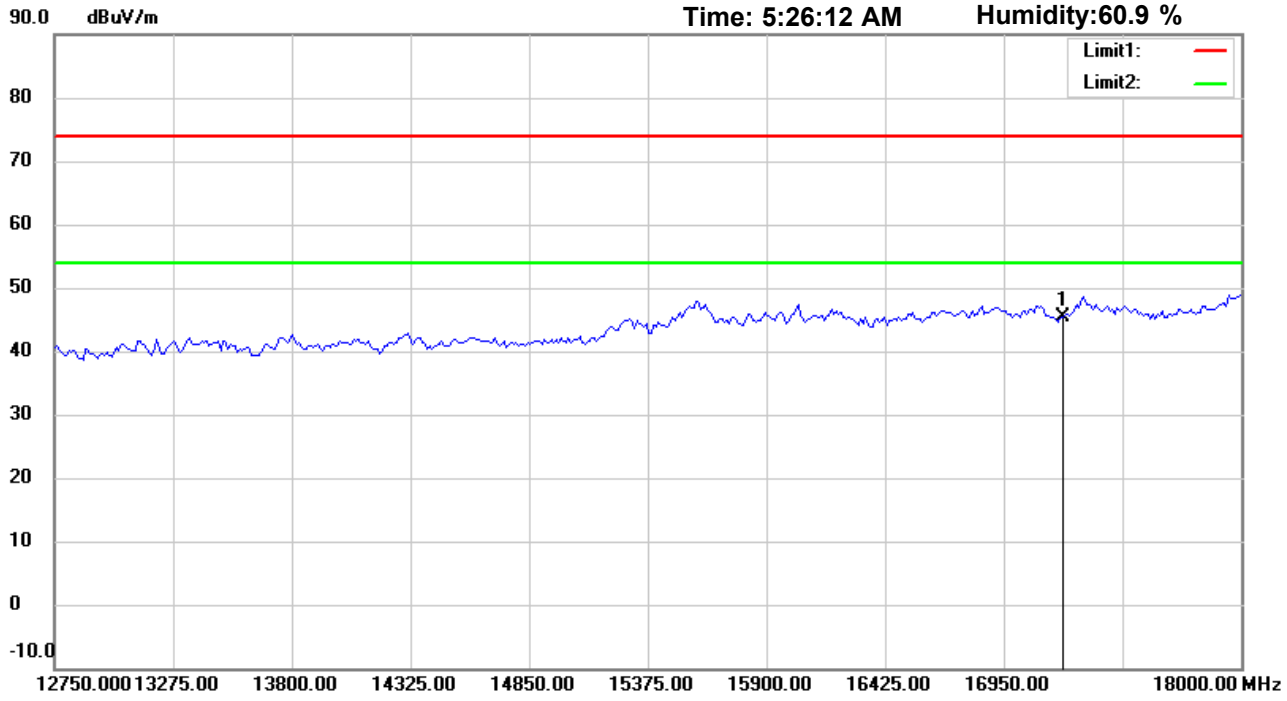
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 5/6/2021 Time: 5:26:12 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 17205.000 | 26.77 | peak | 18.52 | 45.29 | 74.00 | 150 | 110 | -28.71 | |

*:Maximum data x:Over limit !:over margin

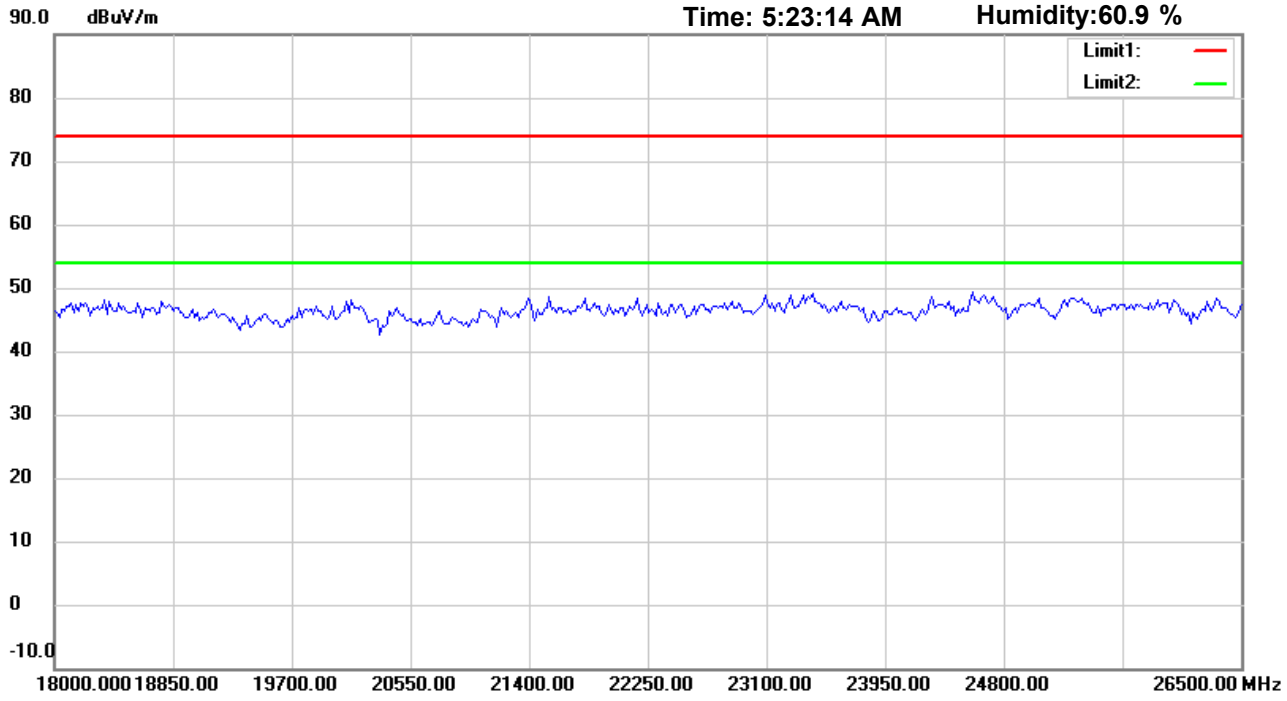
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 5/6/2021 Time: 5:23:14 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

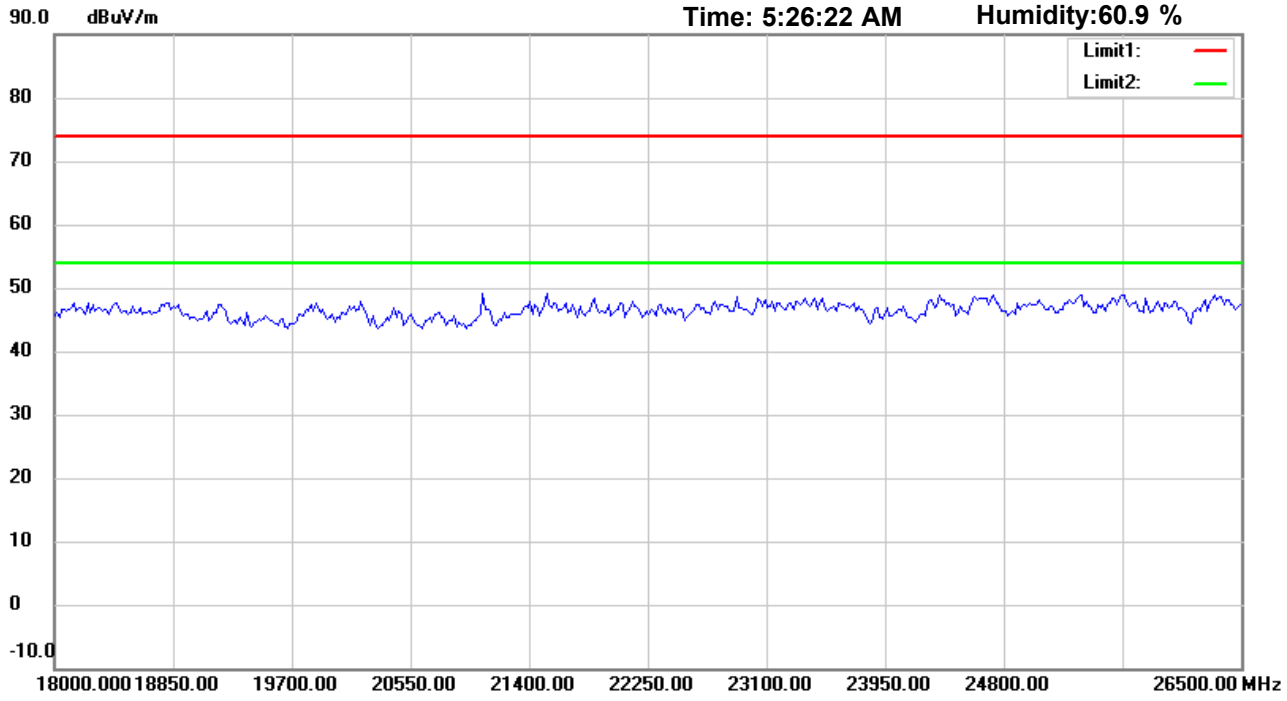
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#11 Date: 5/6/2021 Time: 5:26:22 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

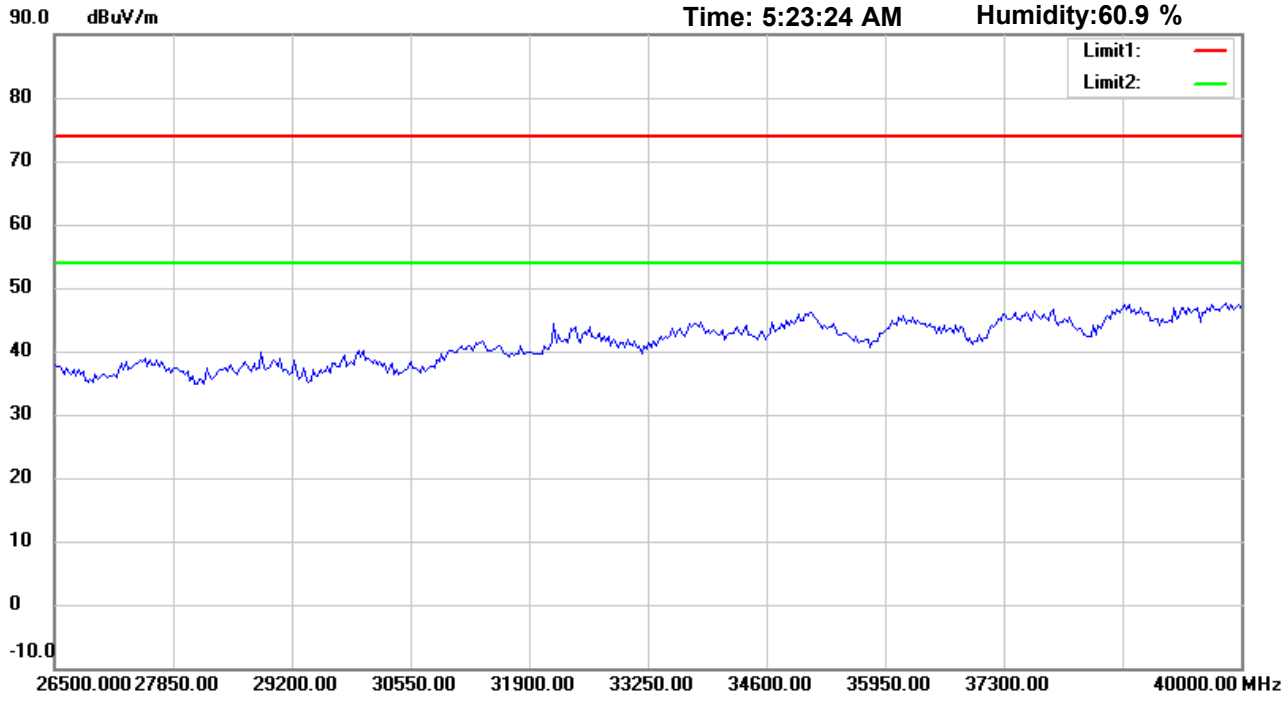
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 5/6/2021 Time: 5:23:24 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

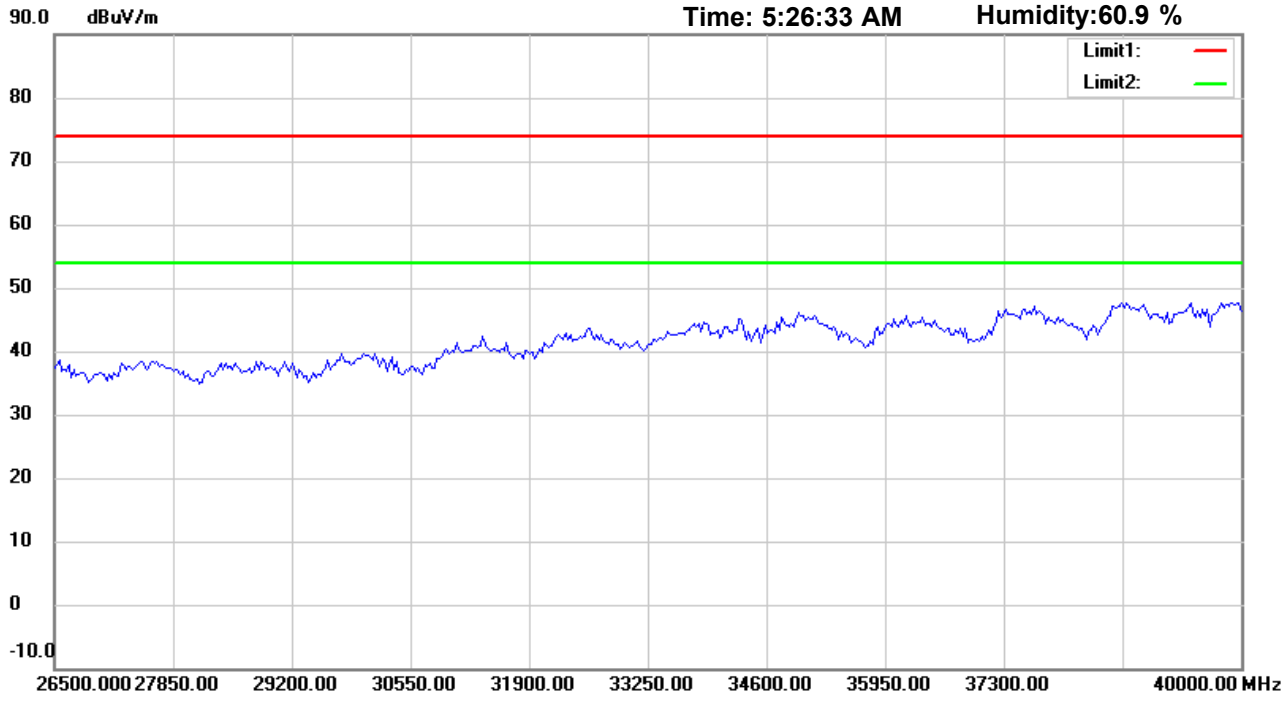
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 5/6/2021 Time: 5:26:33 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

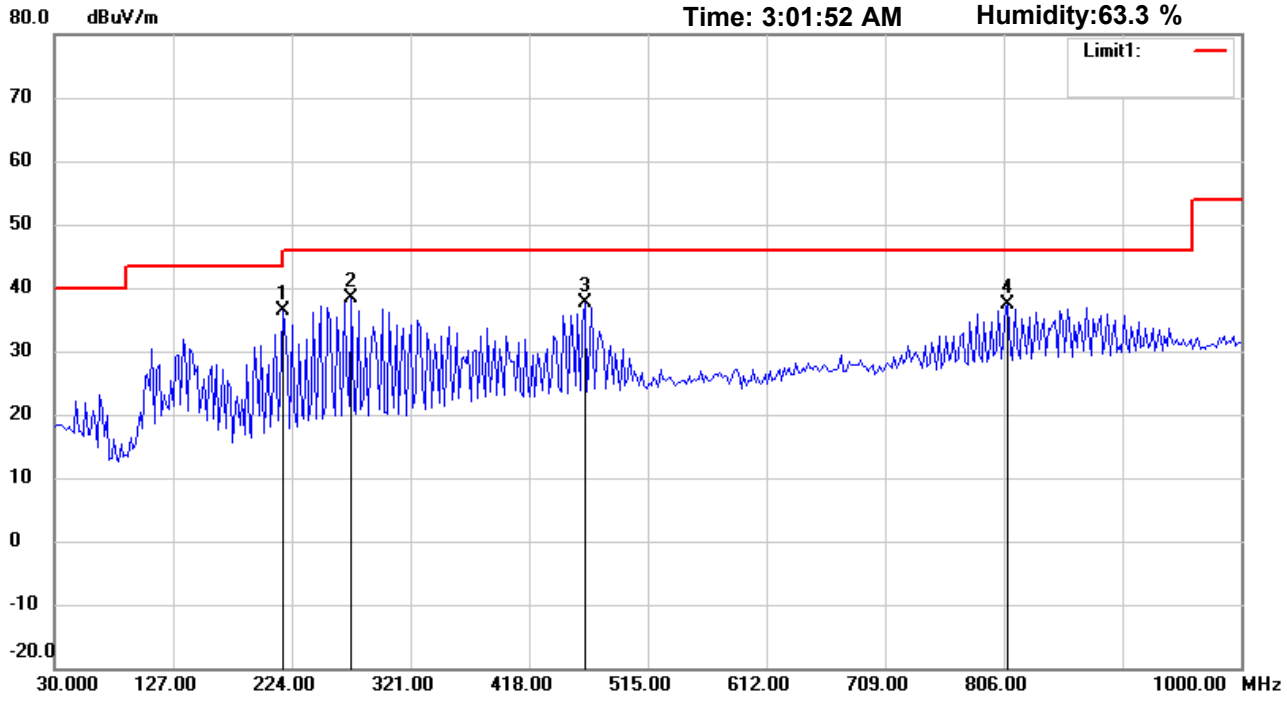
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1 Data :#1 Date: 5/7/2021 Time: 3:01:52 AM

Temperature:25.6 ℃ Humidity:63.3 %




Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 216.6132 | 46.67 | peak | -10.35 | 36.32 | 46.00 | 105 | 175 | -9.68 | |
| * | 272.9860 | 44.83 | peak | -6.44 | 38.39 | 46.00 | 120 | 330 | -7.61 | |
| | 463.4870 | 40.63 | peak | -3.02 | 37.61 | 46.00 | 100 | 15 | -8.39 | |
| | 809.4990 | 35.40 | peak | 1.88 | 37.28 | 46.00 | 130 | 195 | -8.72 | |

*:Maximum data x:Over limit !:over margin

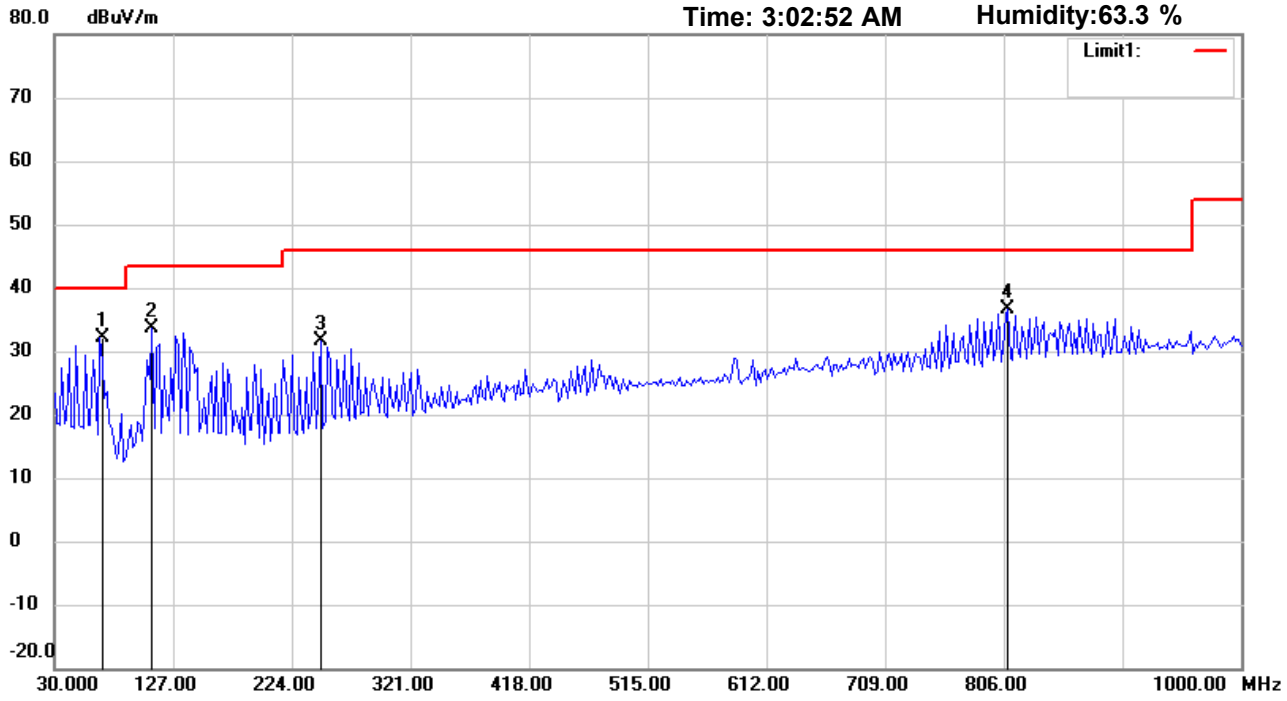
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1 Data :#2 Date: 5/7/2021 Time: 3:02:52 AM

Temperature:25.6 ℃ Humidity:63.3 %




Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 66.9340 | 45.43 | peak | -13.27 | 32.16 | 40.00 | 120 | 90 | -7.84 | |
| | 109.6994 | 41.78 | peak | -8.16 | 33.62 | 43.50 | 135 | 160 | -9.88 | |
| | 247.7154 | 39.59 | peak | -7.87 | 31.72 | 46.00 | 110 | 35 | -14.28 | |
| | 809.4990 | 34.75 | peak | 1.88 | 36.63 | 46.00 | 120 | 258 | -9.37 | |

*:Maximum data x:Over limit !:over margin

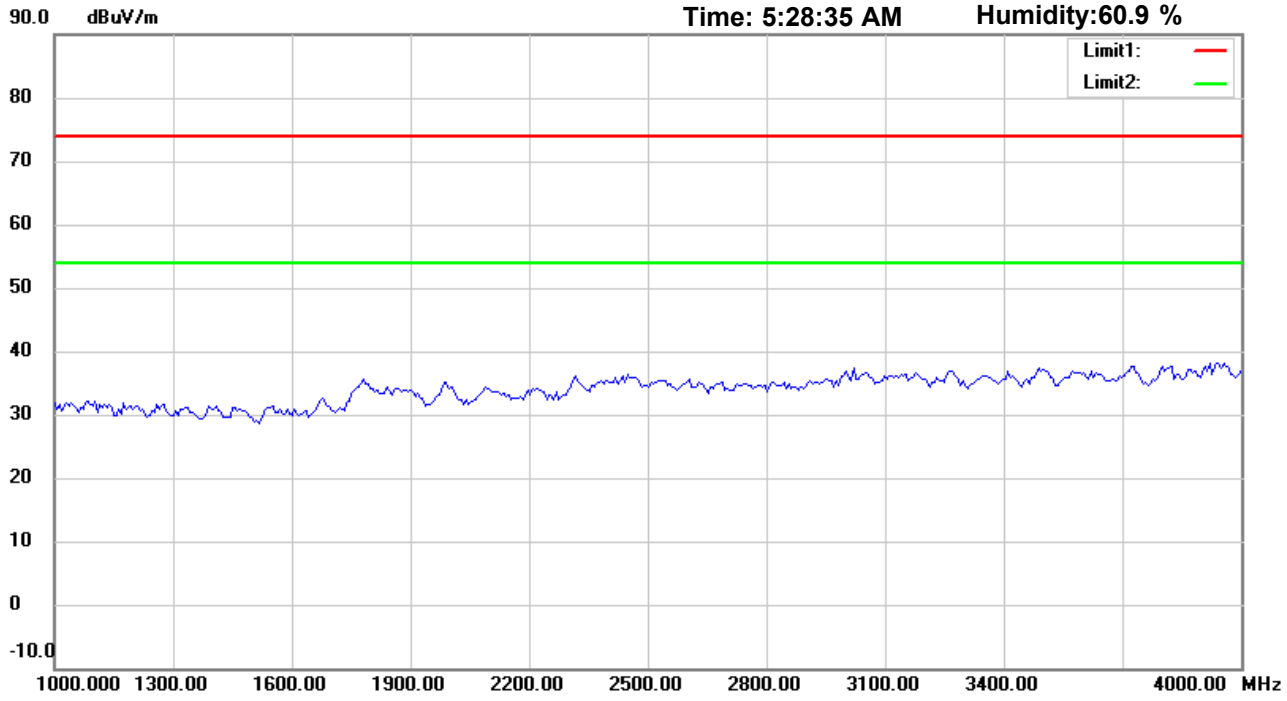
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 5/6/2021 Time: 5:28:35 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
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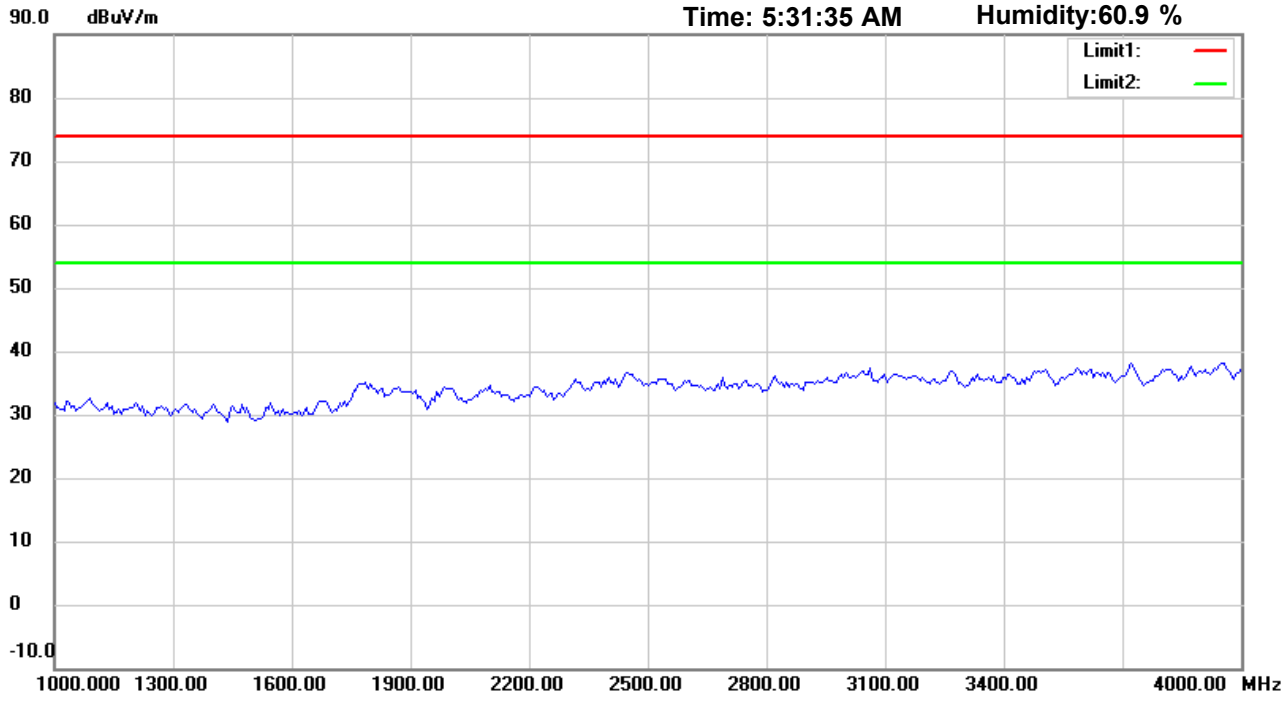
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 5/6/2021 Time: 5:31:35 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

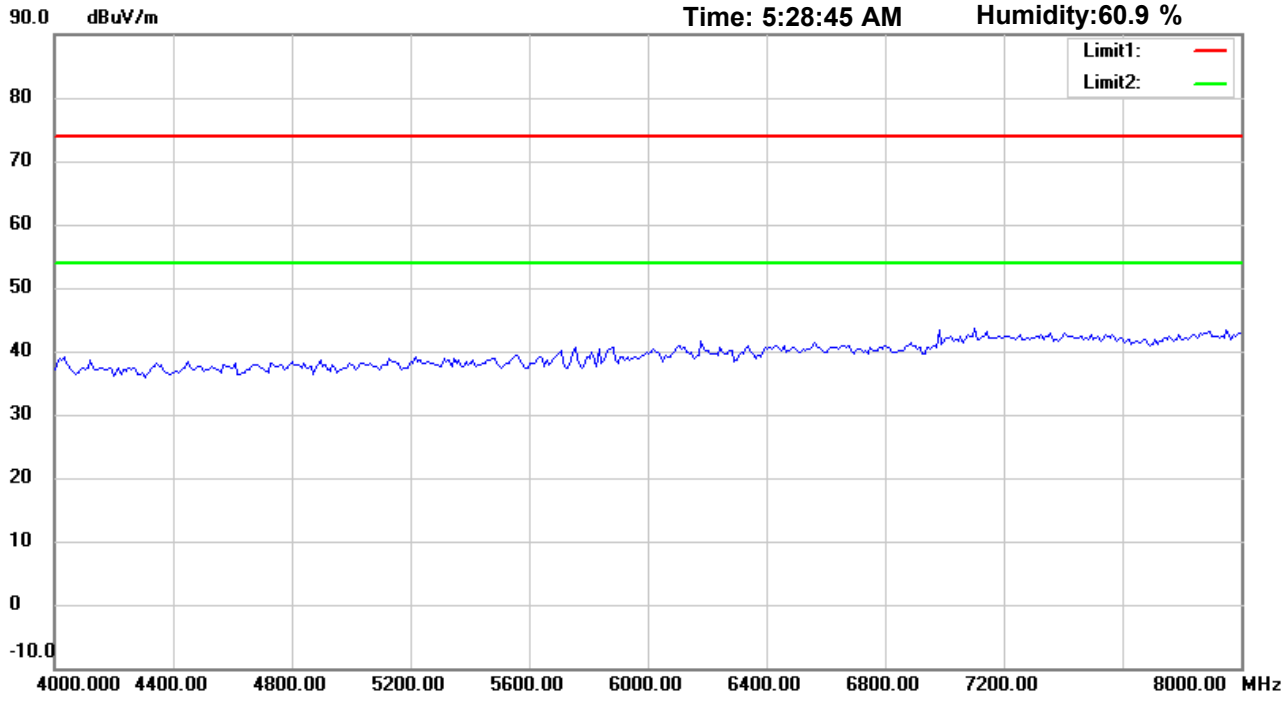
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 5/6/2021 Time: 5:28:45 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

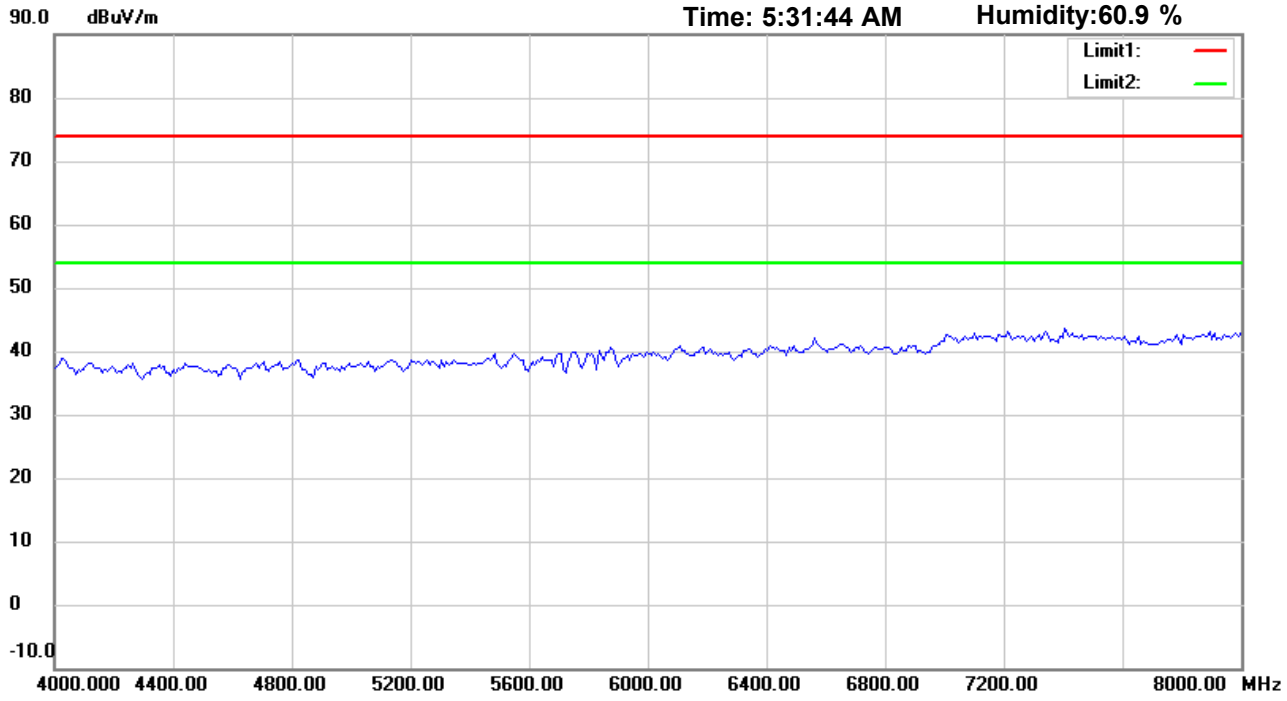
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 5/6/2021 Time: 5:31:44 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

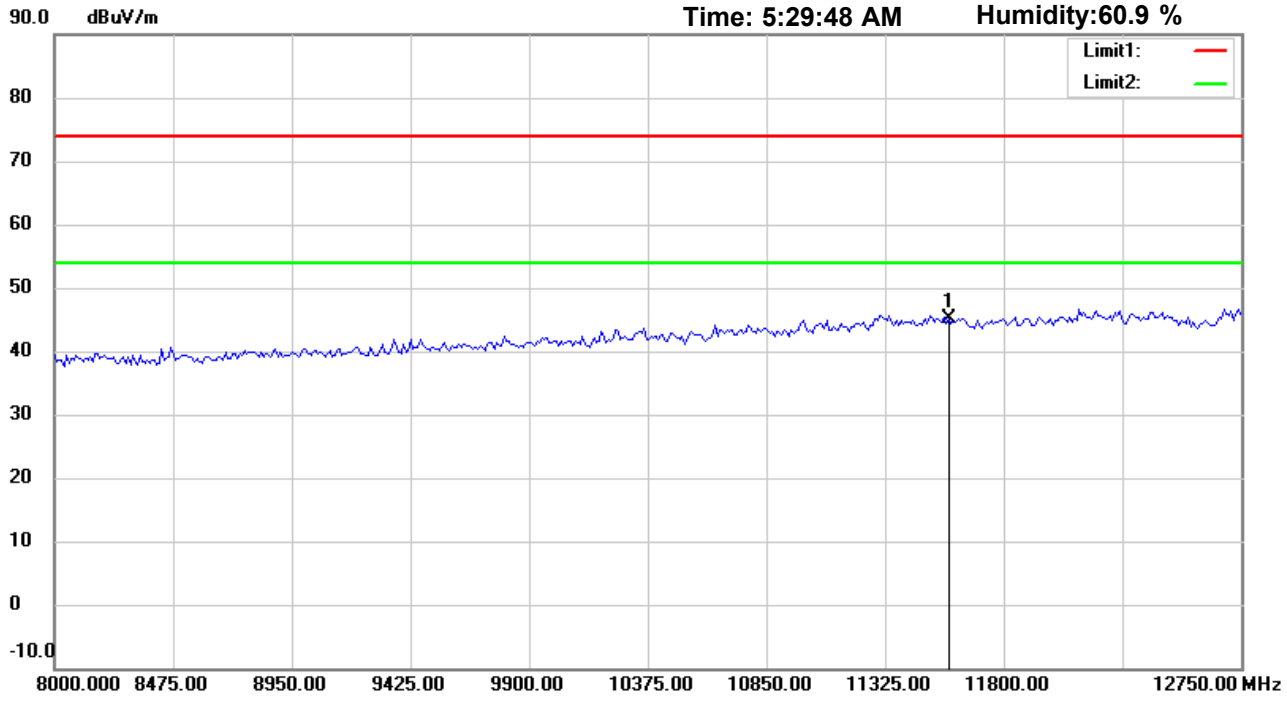
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 5/6/2021 Time: 5:29:48 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 11574.000 | 33.93 | peak | 11.20 | 45.13 | 74.00 | 150 | 130 | -28.87 | |

*:Maximum data x:Over limit !:over margin

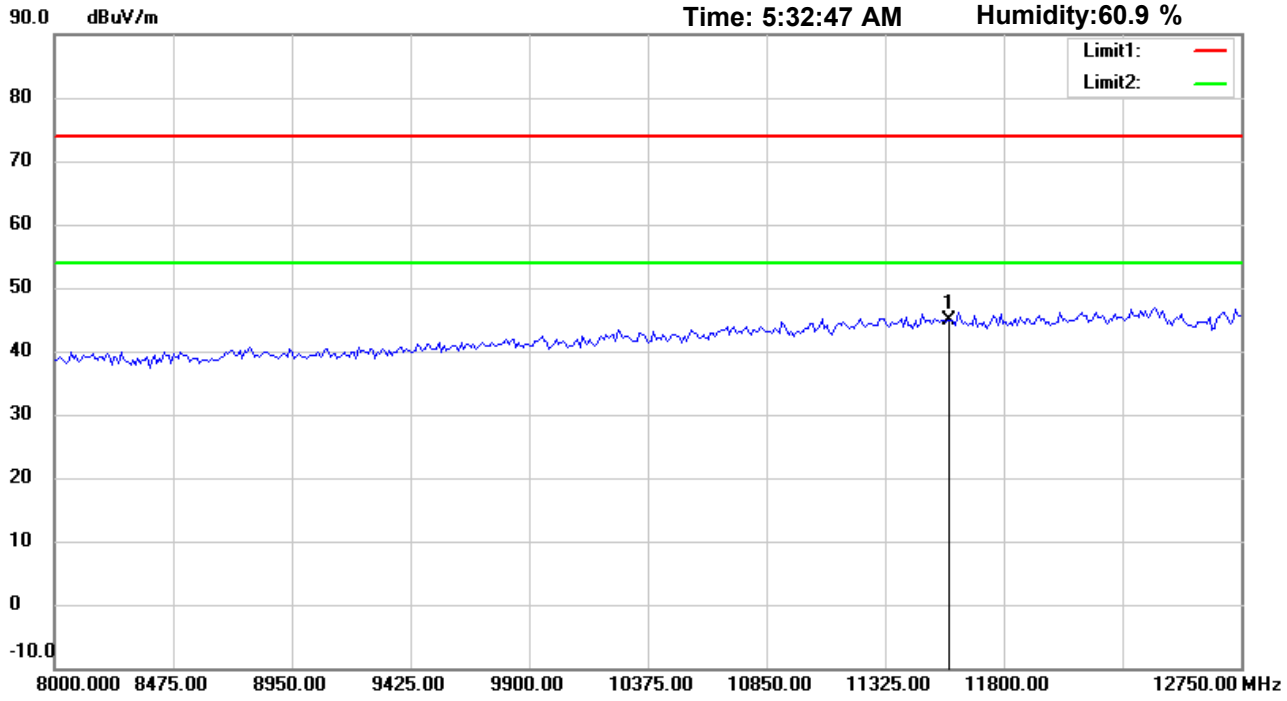
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 5/6/2021 Time: 5:32:47 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 11574.000 | 33.78 | peak | 11.20 | 44.98 | 74.00 | 150 | 325 | -29.02 | |

*:Maximum data x:Over limit !:over margin

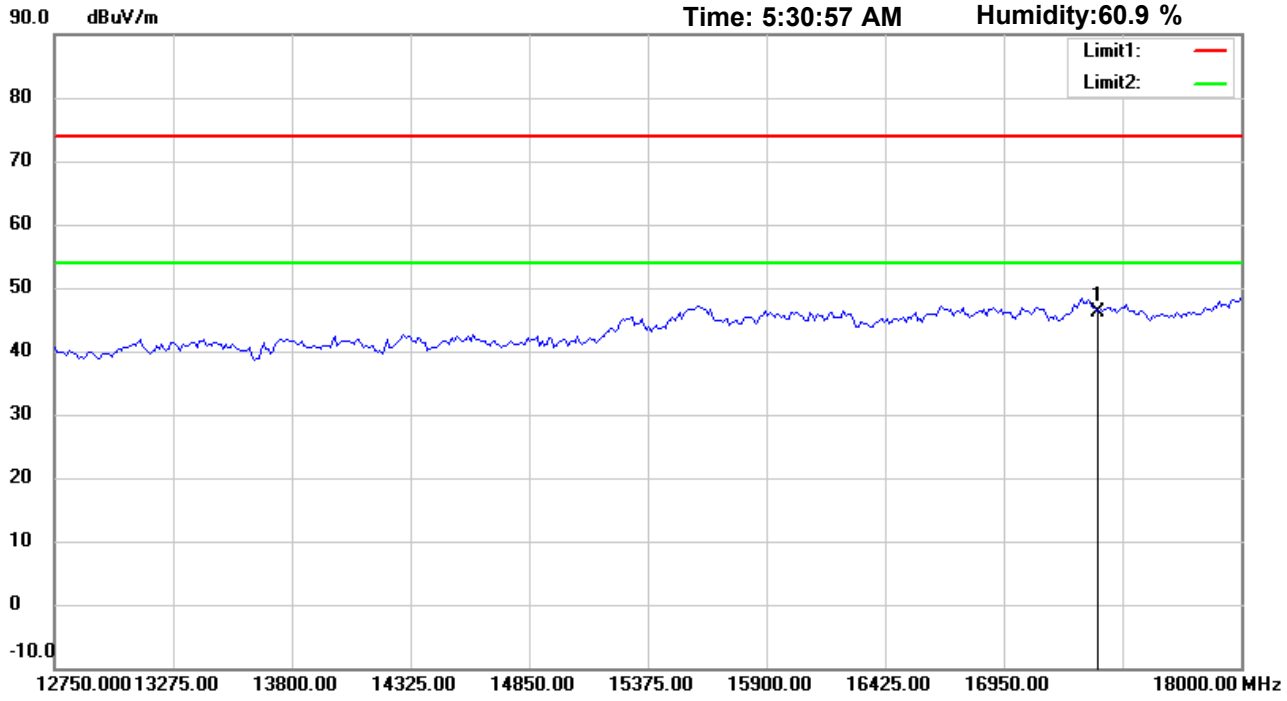
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 5/6/2021 Time: 5:30:57 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 17361.000 | 25.77 | peak | 20.38 | 46.15 | 74.00 | 150 | 89 | -27.85 | |

*:Maximum data x:Over limit !:over margin

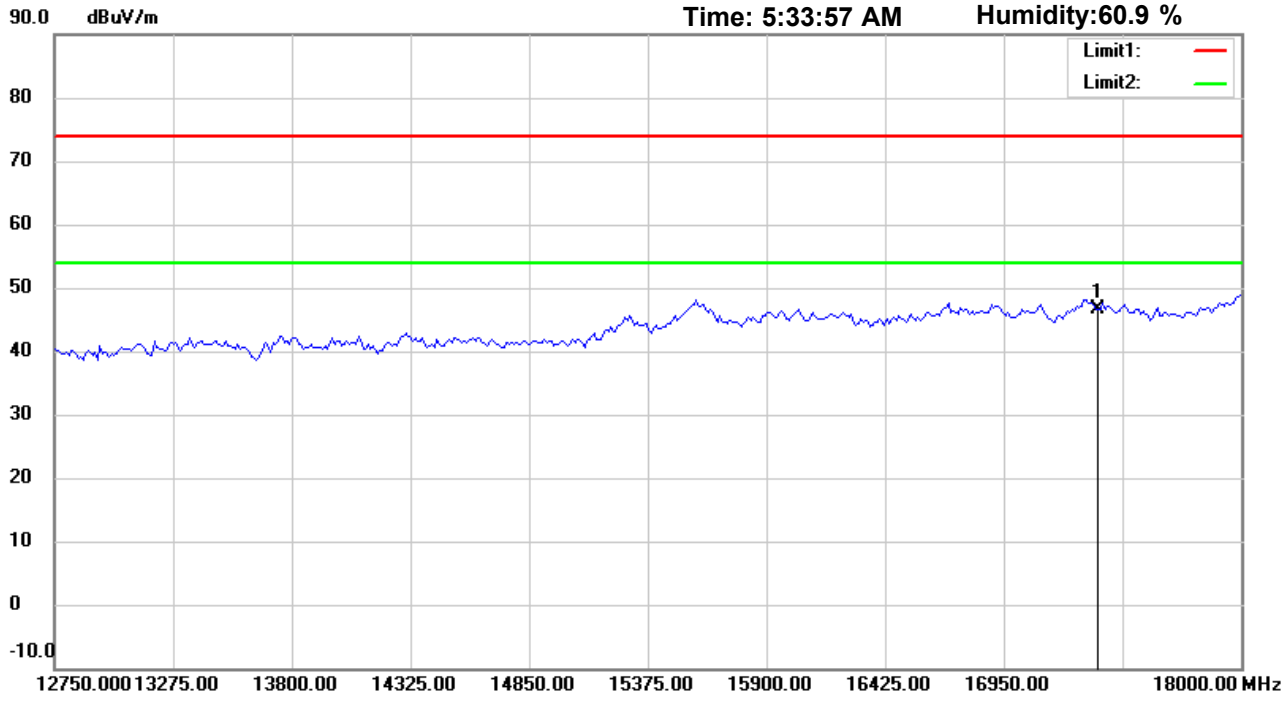
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 5/6/2021 Time: 5:33:57 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 17361.000 | 26.29 | peak | 20.38 | 46.67 | 74.00 | 150 | 221 | -27.33 | |

*:Maximum data x:Over limit !:over margin

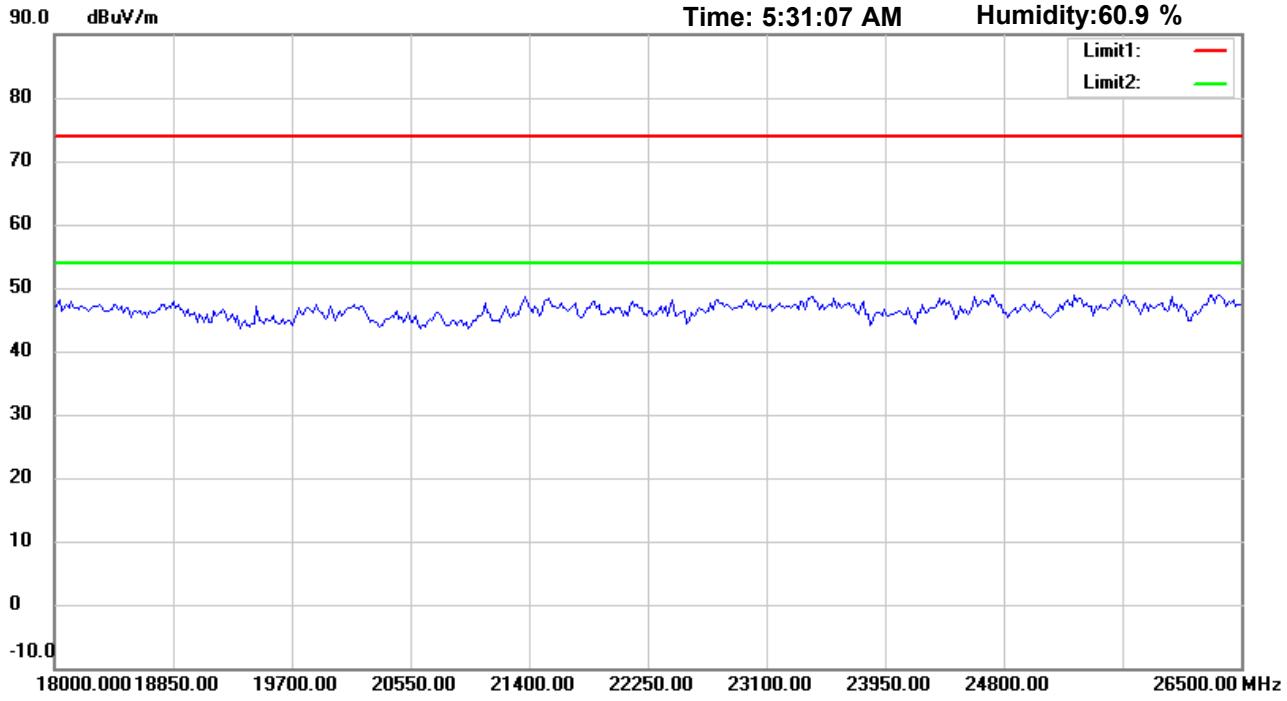
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 5/6/2021 Time: 5:31:07 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

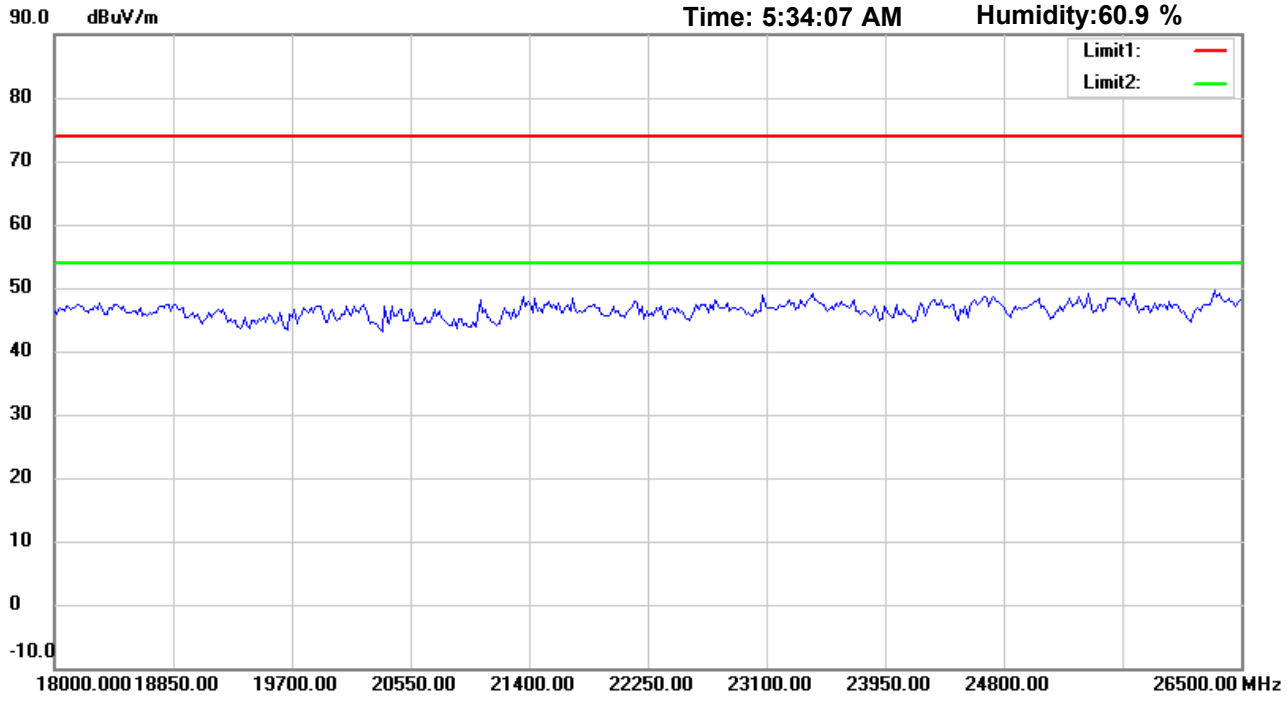
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#11 Date: 5/6/2021 Time: 5:34:07 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

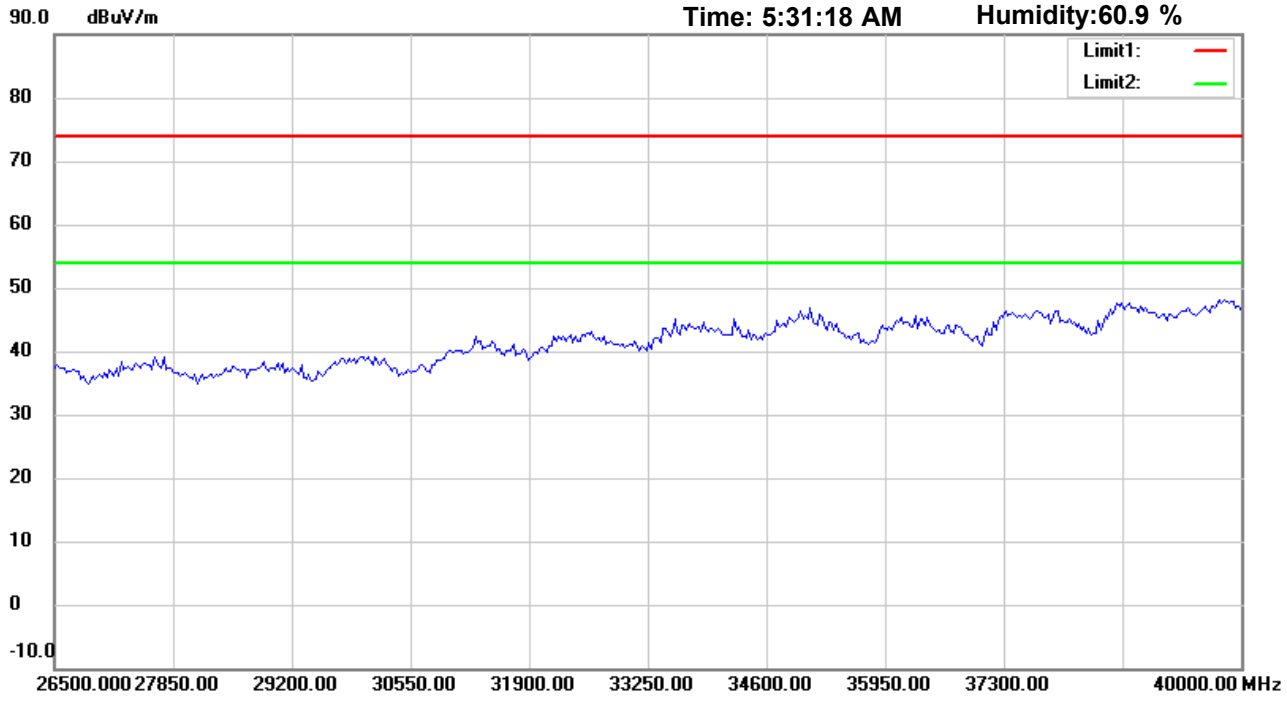
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 5/6/2021 Time: 5:31:18 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

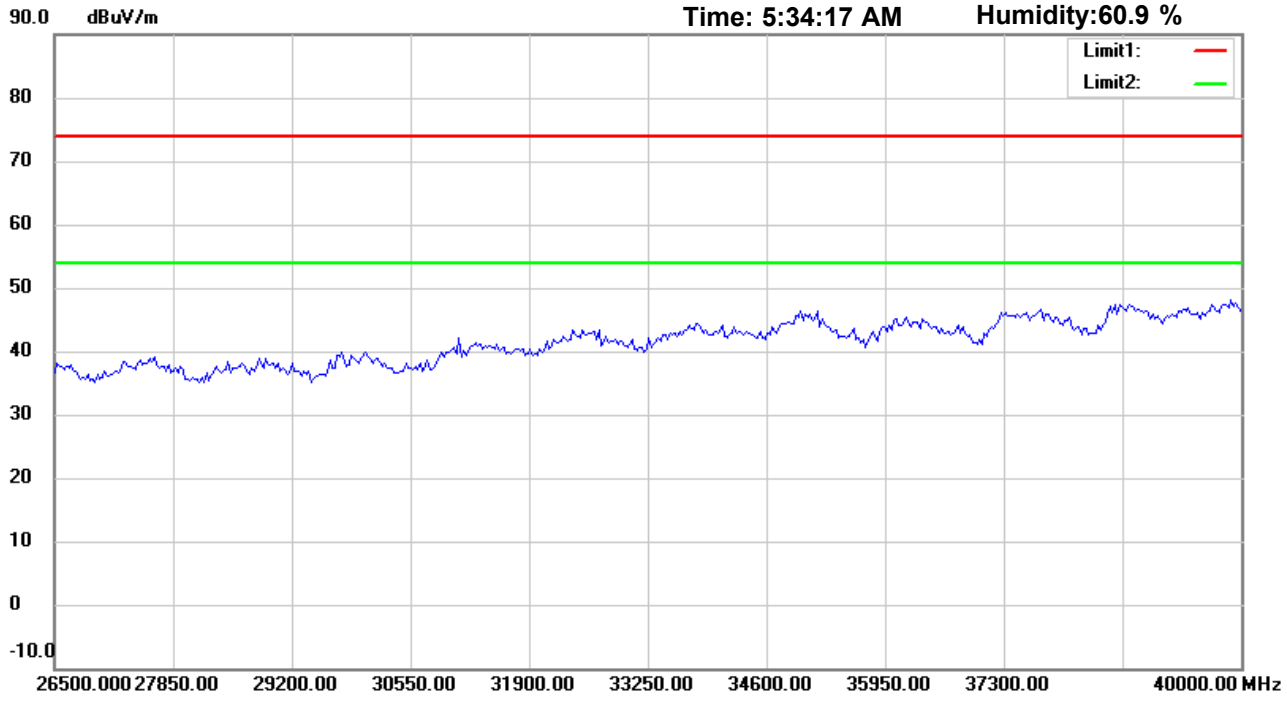
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 5/6/2021 Time: 5:34:17 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

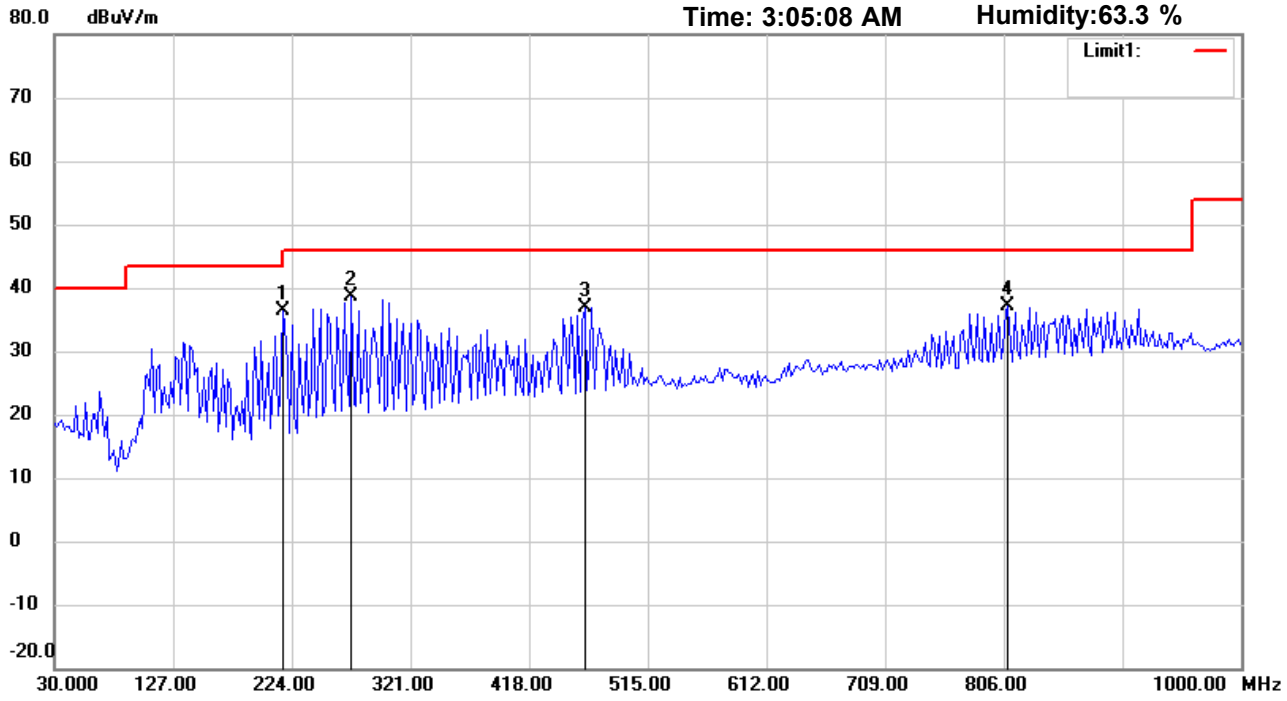
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1 Data :#1 Date: 5/7/2021 Time: 3:05:08 AM

Temperature:25.6 ℃ Humidity:63.3 %




Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 216.6132 | 46.69 | peak | -10.35 | 36.34 | 46.00 | 105 | 155 | -9.66 | |
| * | 272.9860 | 45.11 | peak | -6.44 | 38.67 | 46.00 | 110 | 360 | -7.33 | |
| | 463.4870 | 40.02 | peak | -3.02 | 37.00 | 46.00 | 100 | 140 | -9.00 | |
| | 809.4990 | 35.14 | peak | 1.88 | 37.02 | 46.00 | 130 | 70 | -8.98 | |

*:Maximum data x:Over limit !:over margin

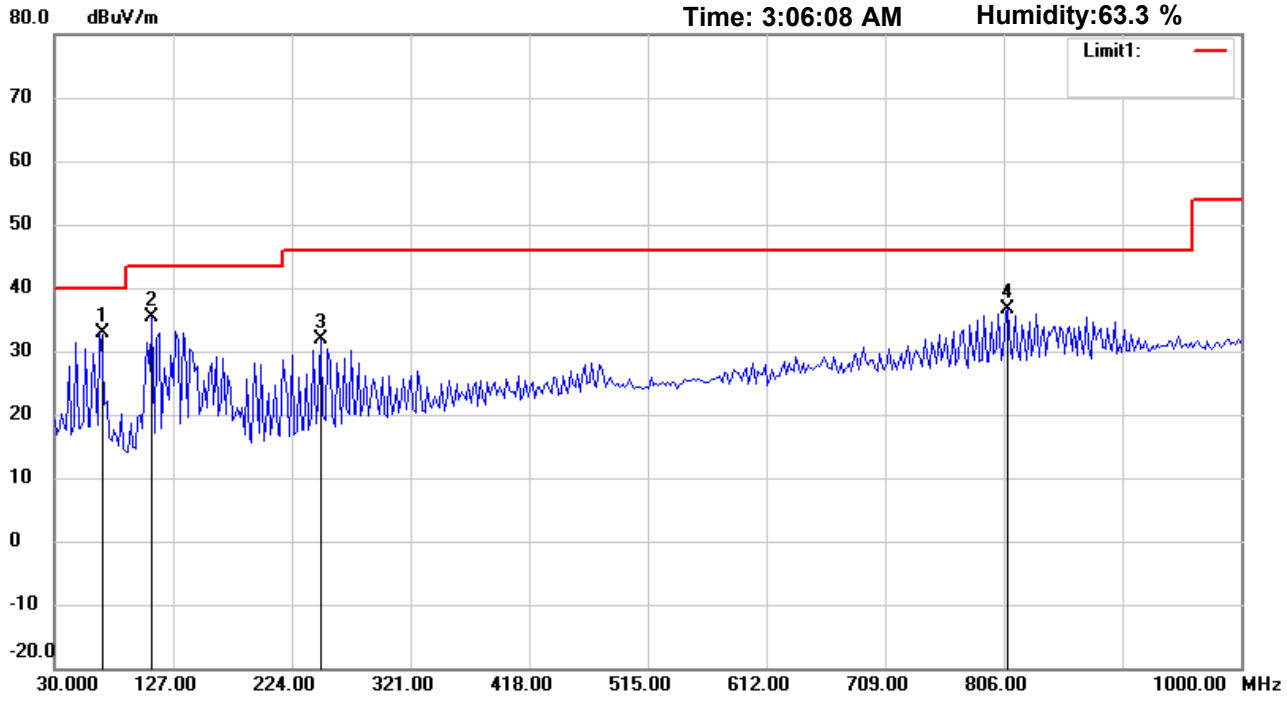
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1 Data :#2 Date: 5/7/2021 Time: 3:06:08 AM

Temperature:25.6 ℃ Humidity:63.3 %




Site : Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 66.9340 | 46.19 | peak | -13.27 | 32.92 | 40.00 | 130 | 69 | -7.08 | |
| | 109.6994 | 43.51 | peak | -8.16 | 35.35 | 43.50 | 115 | 180 | -8.15 | |
| | 247.7154 | 39.76 | peak | -7.87 | 31.89 | 46.00 | 120 | 345 | -14.11 | |
| | 809.4990 | 34.79 | peak | 1.88 | 36.67 | 46.00 | 105 | 115 | -9.33 | |

*:Maximum data x:Over limit !:over margin

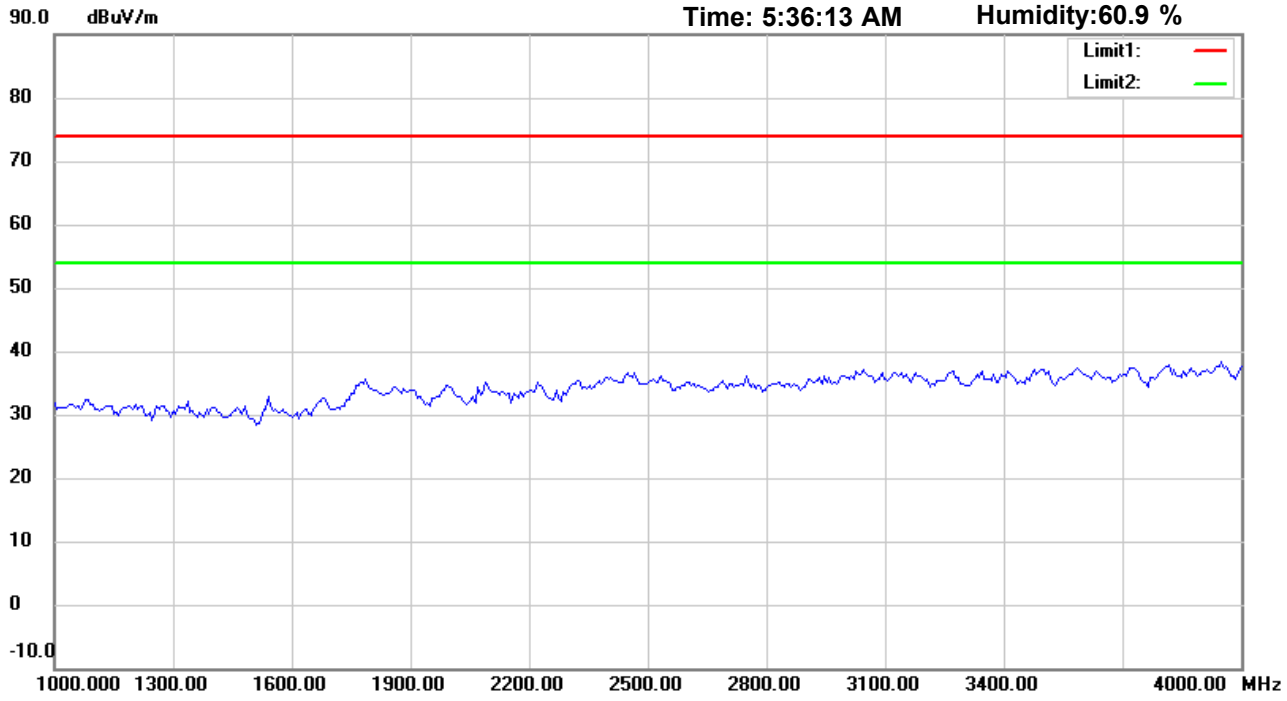
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 5/6/2021 Time: 5:36:13 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

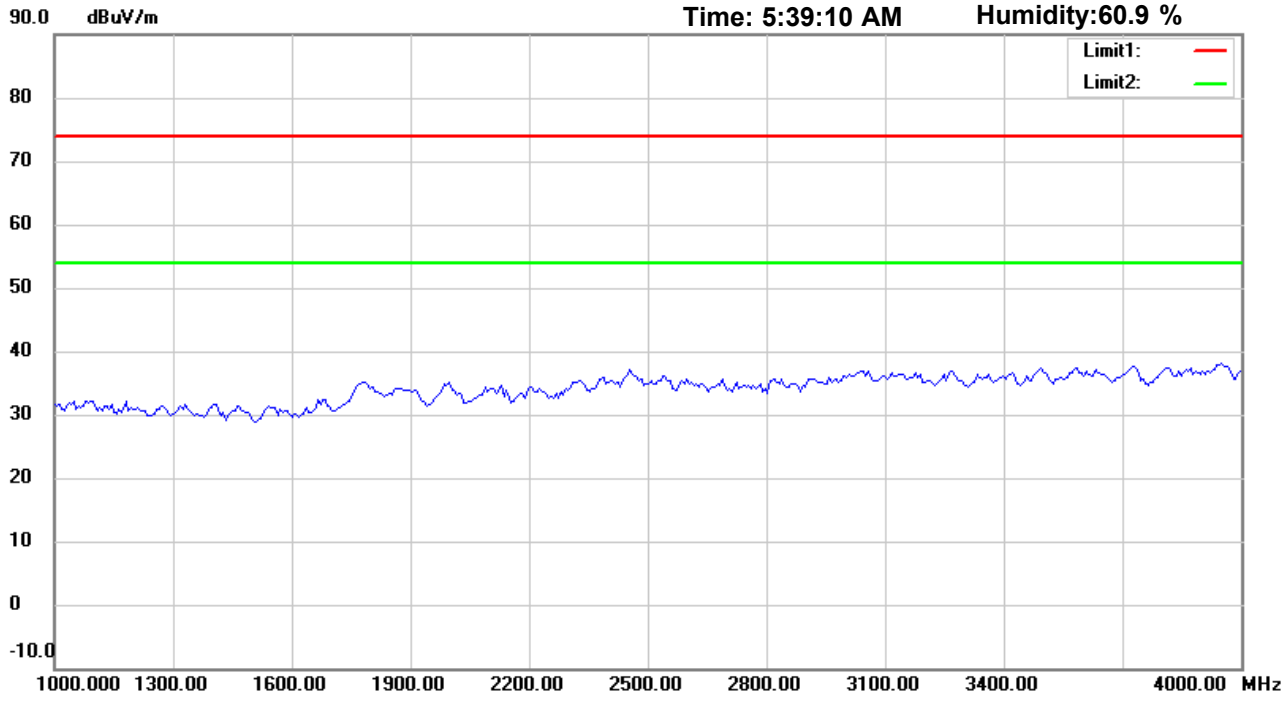
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 5/6/2021 Time: 5:39:10 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

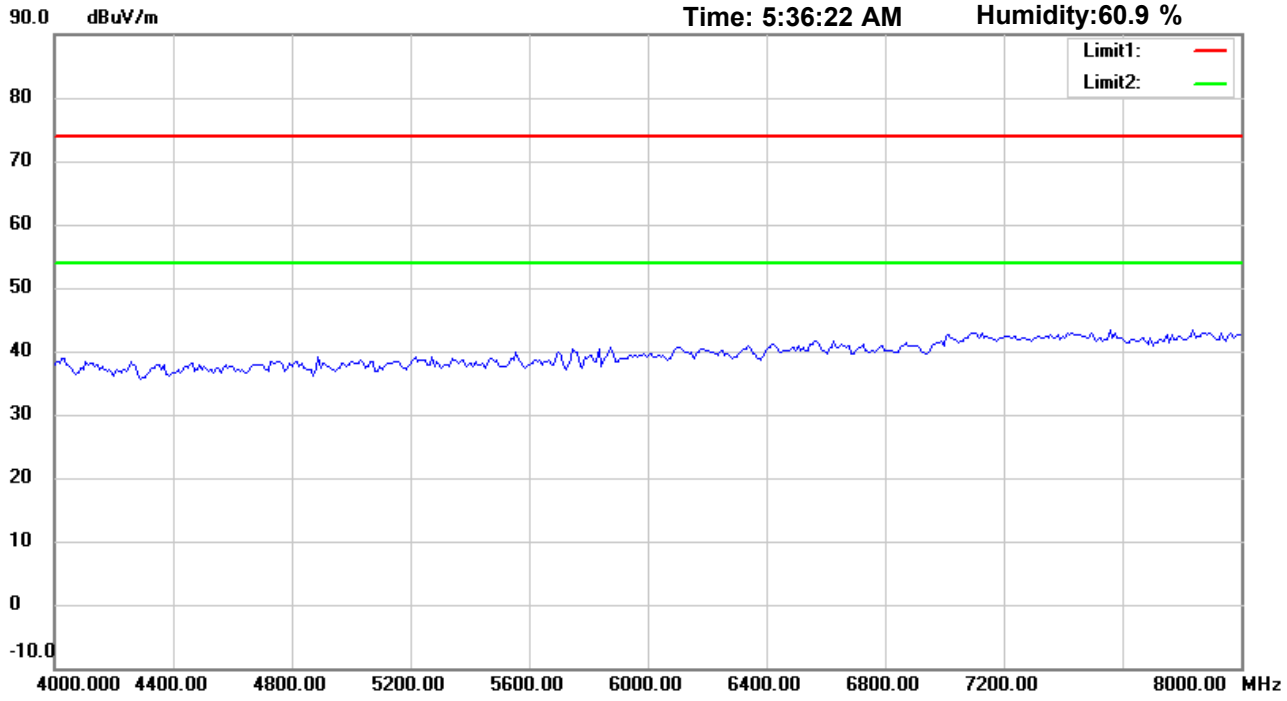
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 5/6/2021 Time: 5:36:22 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

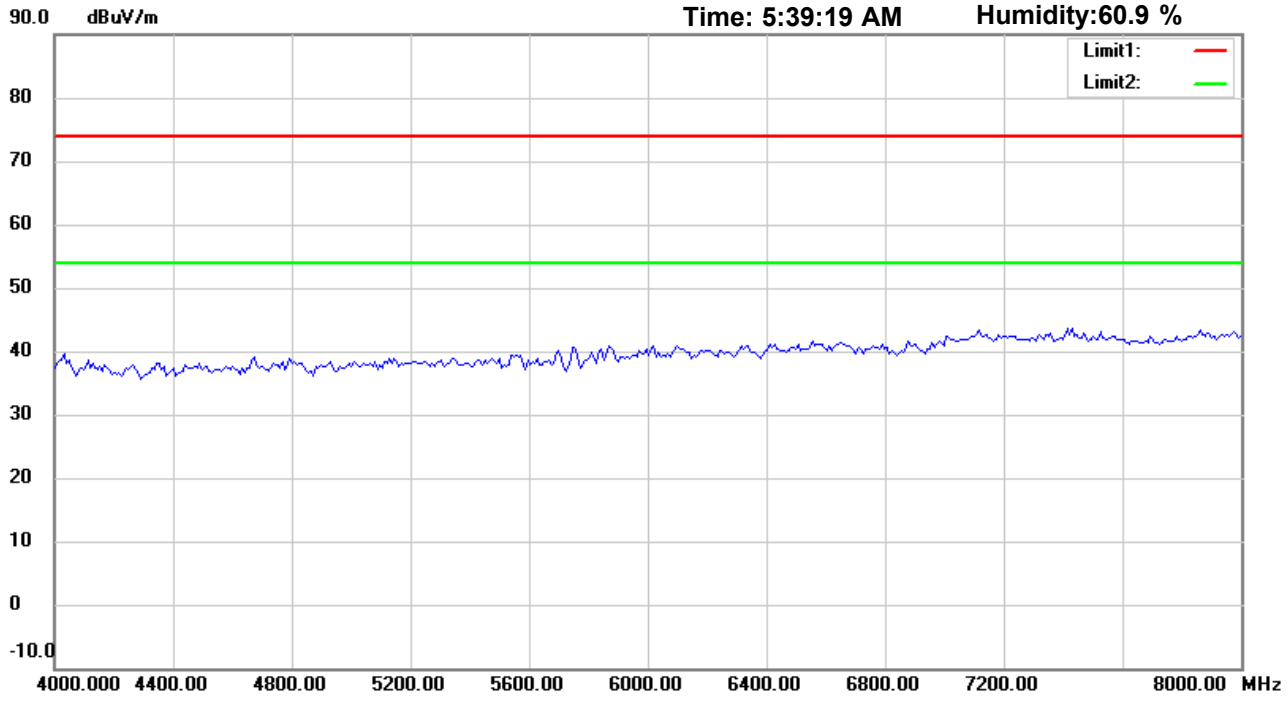
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 5/6/2021 Time: 5:39:19 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

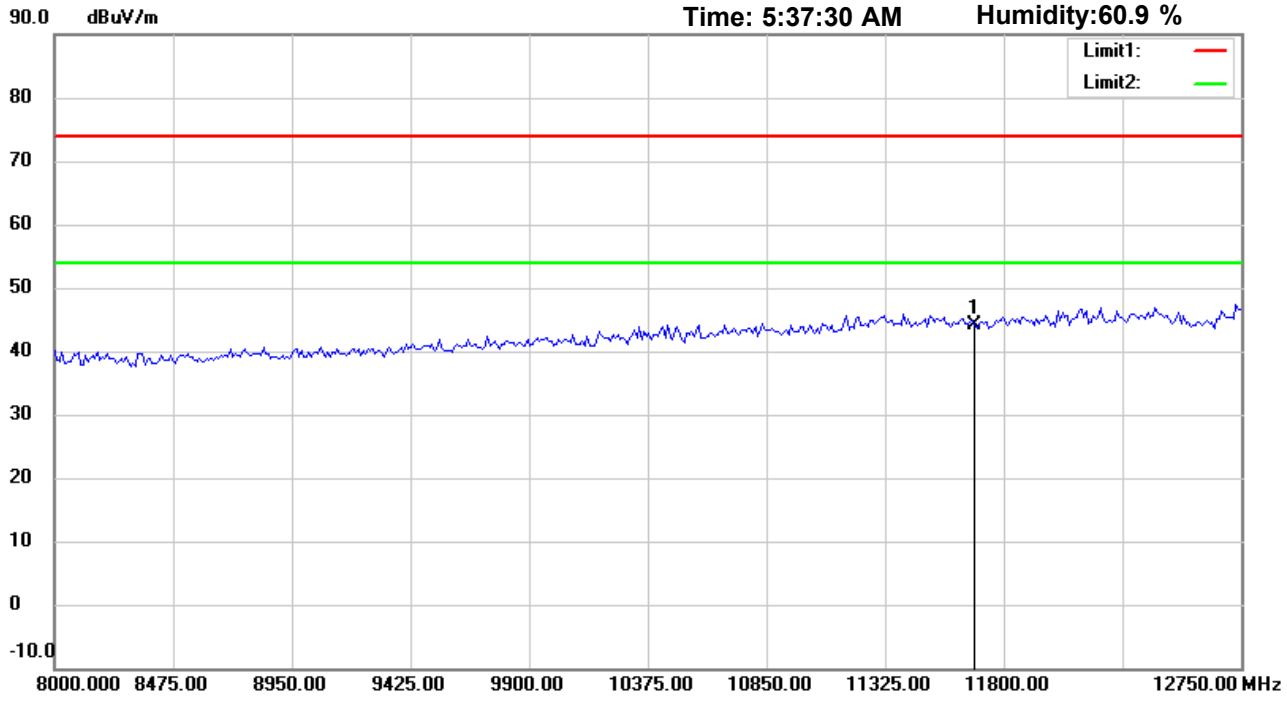
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 5/6/2021 Time: 5:37:30 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 11678.000 | 32.99 | peak | 11.04 | 44.03 | 74.00 | 150 | 39 | -29.97 | |

*:Maximum data x:Over limit !:over margin

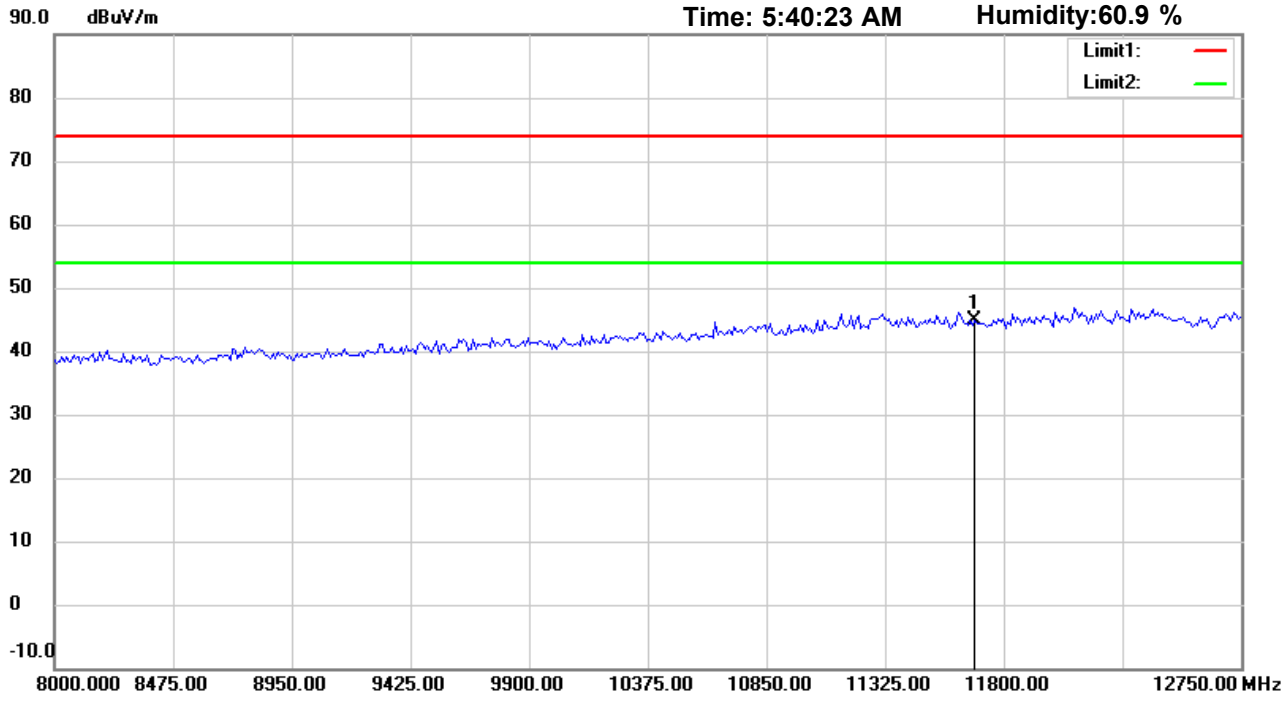
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 5/6/2021 Time: 5:40:23 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 11678.000 | 33.84 | peak | 11.04 | 44.88 | 74.00 | 150 | 241 | -29.12 | |

*:Maximum data x:Over limit !:over margin

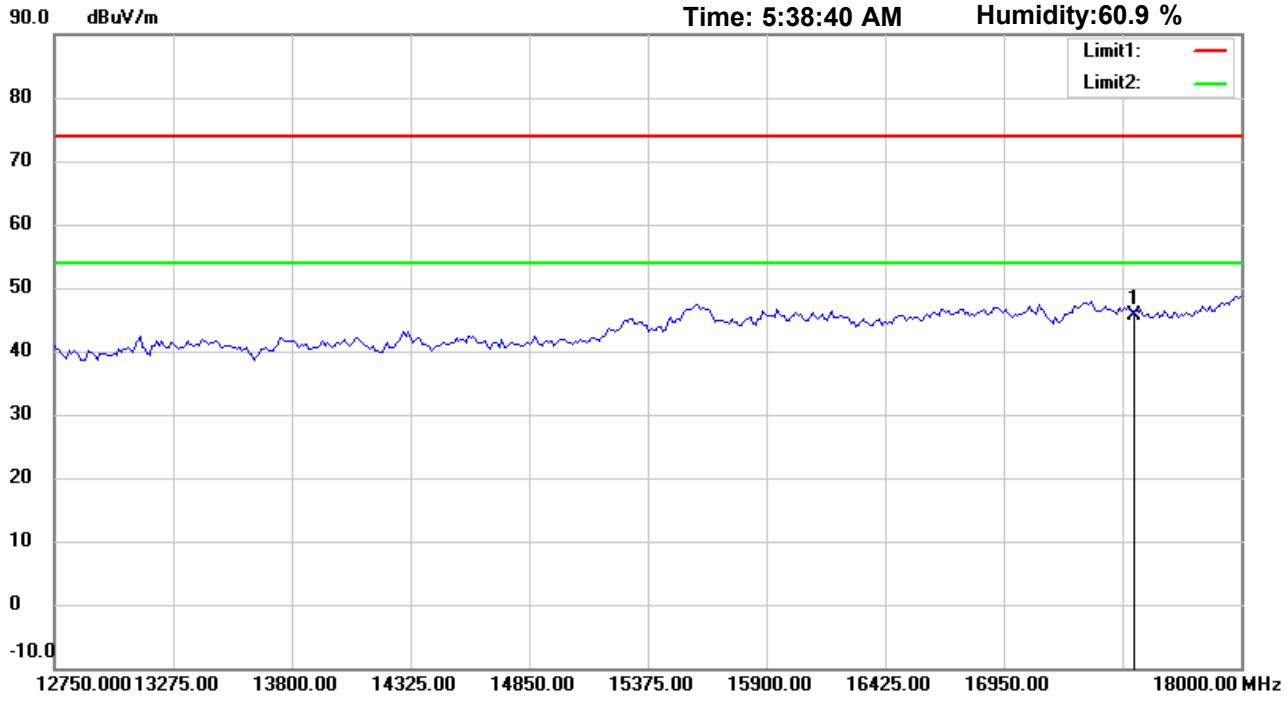
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 5/6/2021 Time: 5:38:40 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 17517.000 | 25.55 | peak | 20.15 | 45.70 | 74.00 | 150 | 186 | -28.30 | |

*:Maximum data x:Over limit !:over margin

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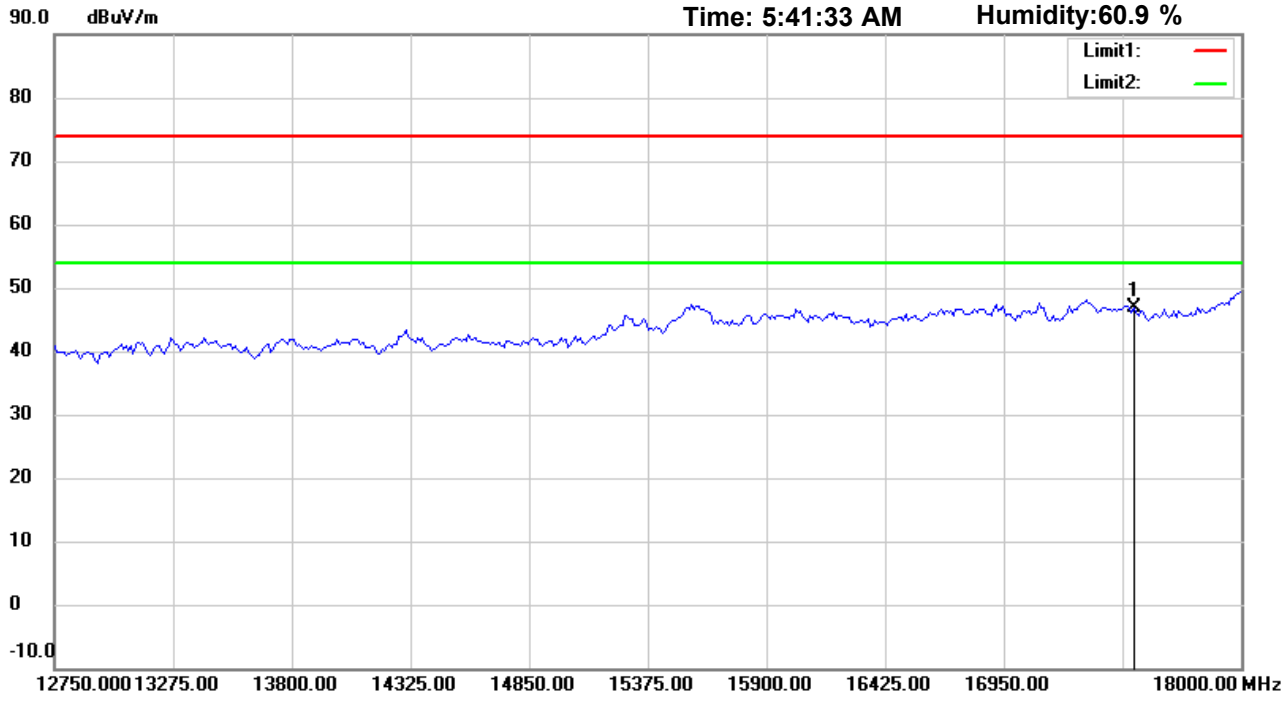
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#10 Date: 5/6/2021 Time: 5:41:33 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 17517.000 | 26.65 | peak | 20.15 | 46.80 | 74.00 | 150 | 325 | -27.20 | |

*:Maximum data x:Over limit !:over margin

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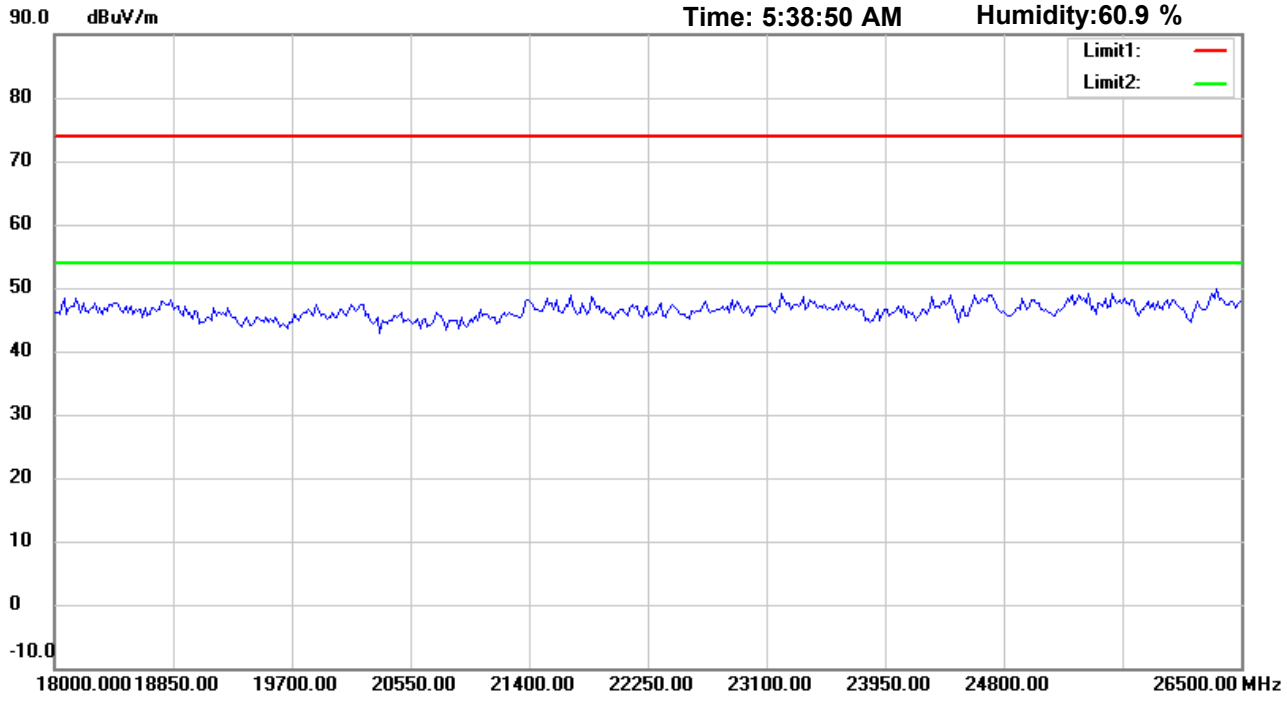
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 5/6/2021 Time: 5:38:50 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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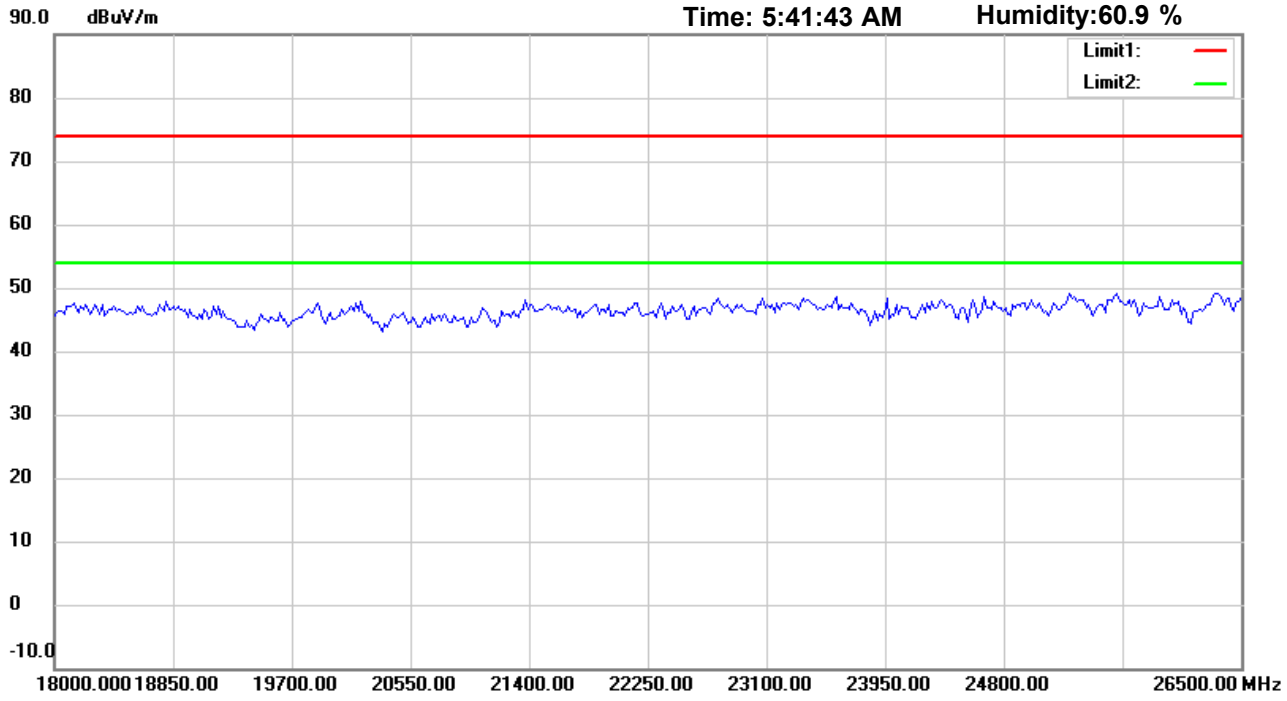
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#11 Date: 5/6/2021 Time: 5:41:43 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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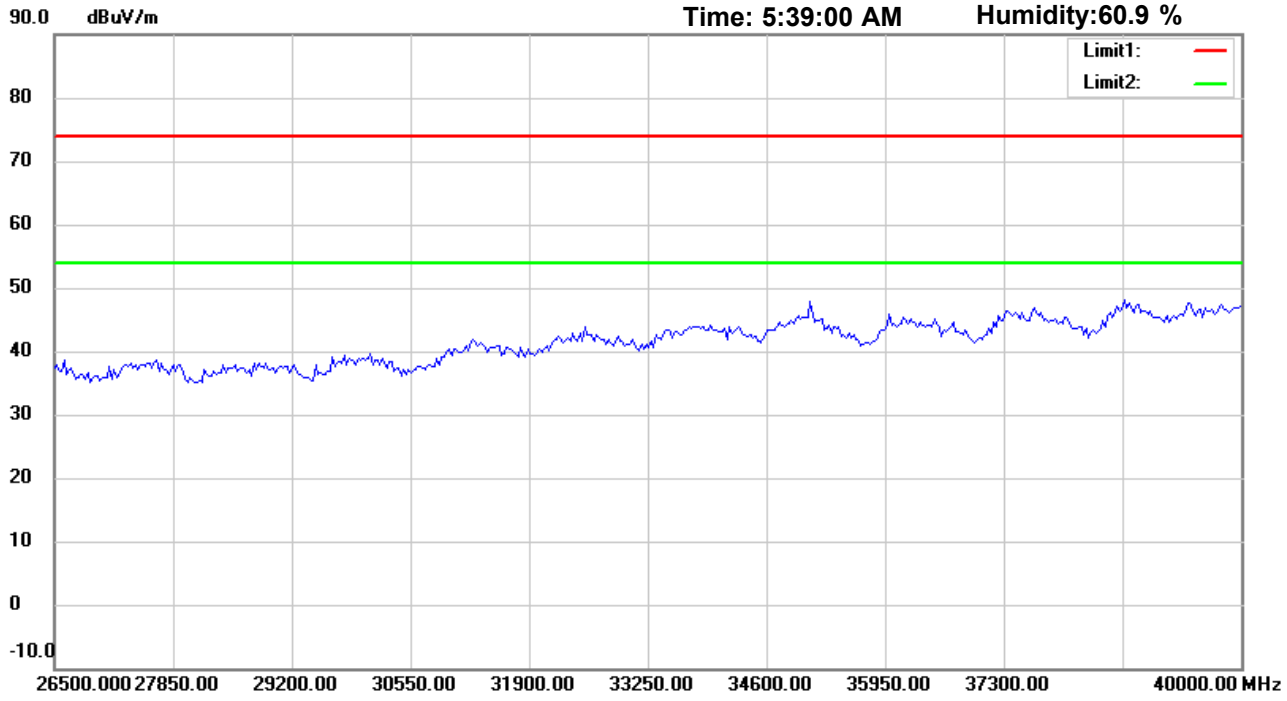
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 5/6/2021 Time: 5:39:00 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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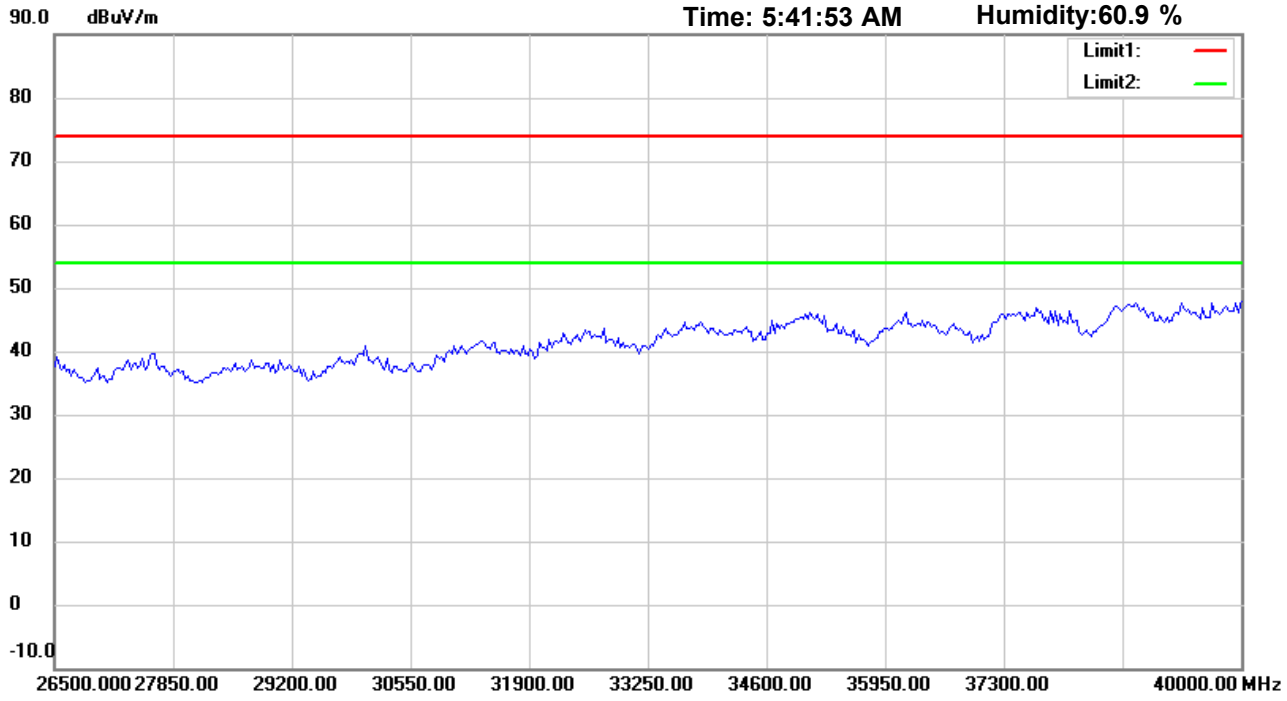
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#12 Date: 5/6/2021 Time: 5:41:53 AM

Temperature:25.2 ℃ Humidity:60.9 %




Site : Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22104-20819

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Vertical*

Power : 12 Vd.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

MASK

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
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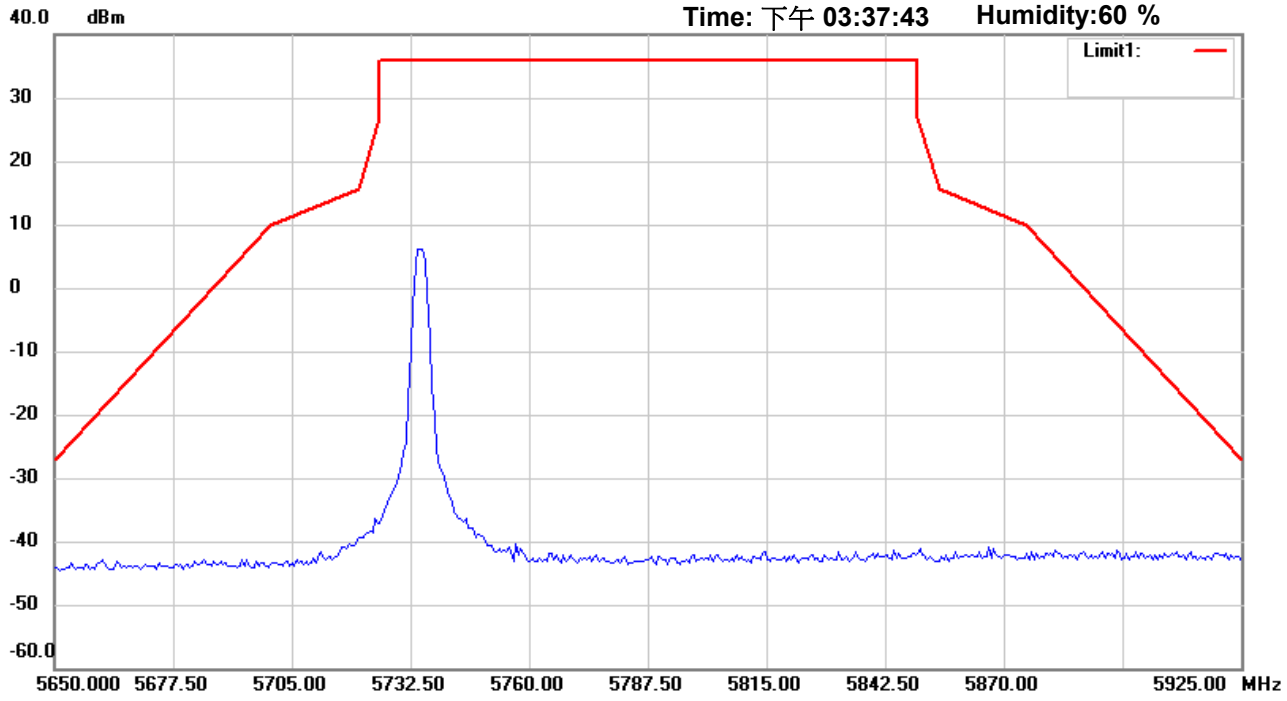
## Radiated Emission Measurement

Operator: Kent
File :5735MHZ Data :#1 Date: 2021/5/4 Temperature:24 ℃
Time: 下午 03:37:43 Humidity:60 %




Site : Chamber
Condition : FCC_5G Band4 Mask
EUT : W6M22104-20819
M/N:
Test Mode : TX 5735MHz
Note :

Polarization: *Horizontal*
Power : 12 Vd.c.
Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

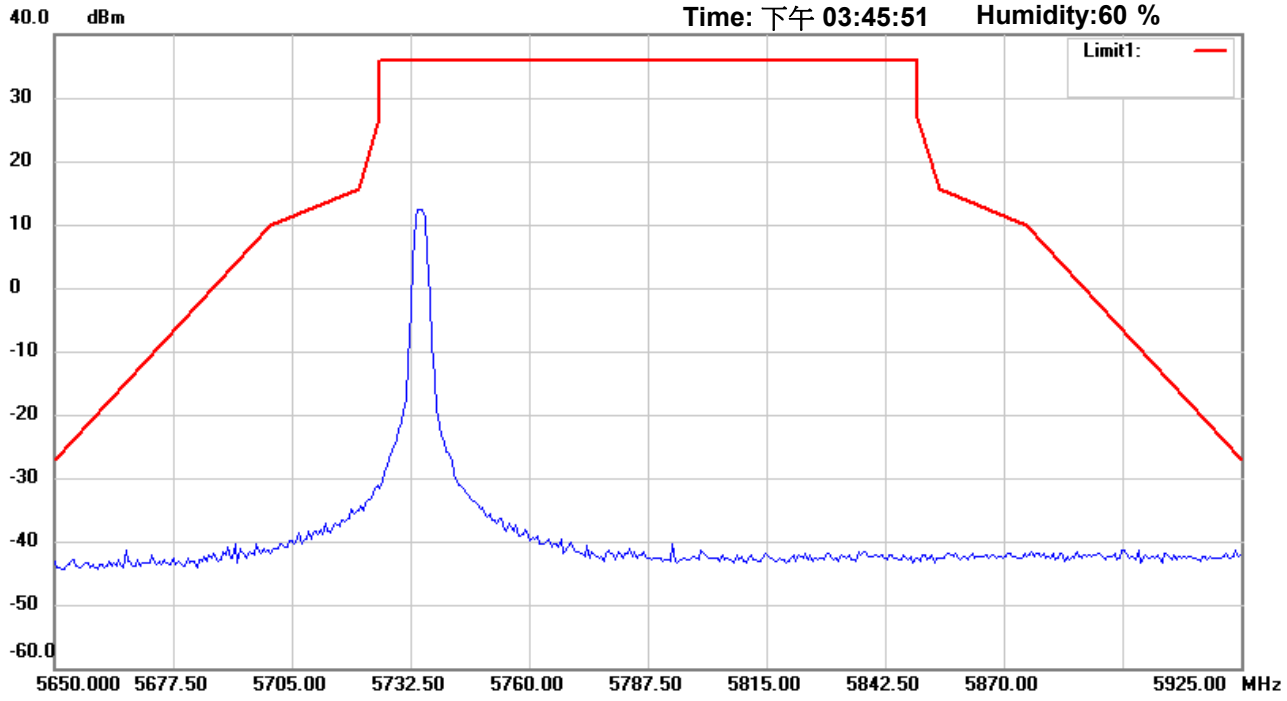
*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Kent

File :5735MHZ | Data :#2 | Date: 2021/5/4 | Time: 下午 03:45:51 | Temperature:24 ℃ | Humidity:60 %




Site : Chamber

Condition : FCC_5G Band4 Mask

Polarization: *Vertical*

EUT : W6M22104-20819

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 5735MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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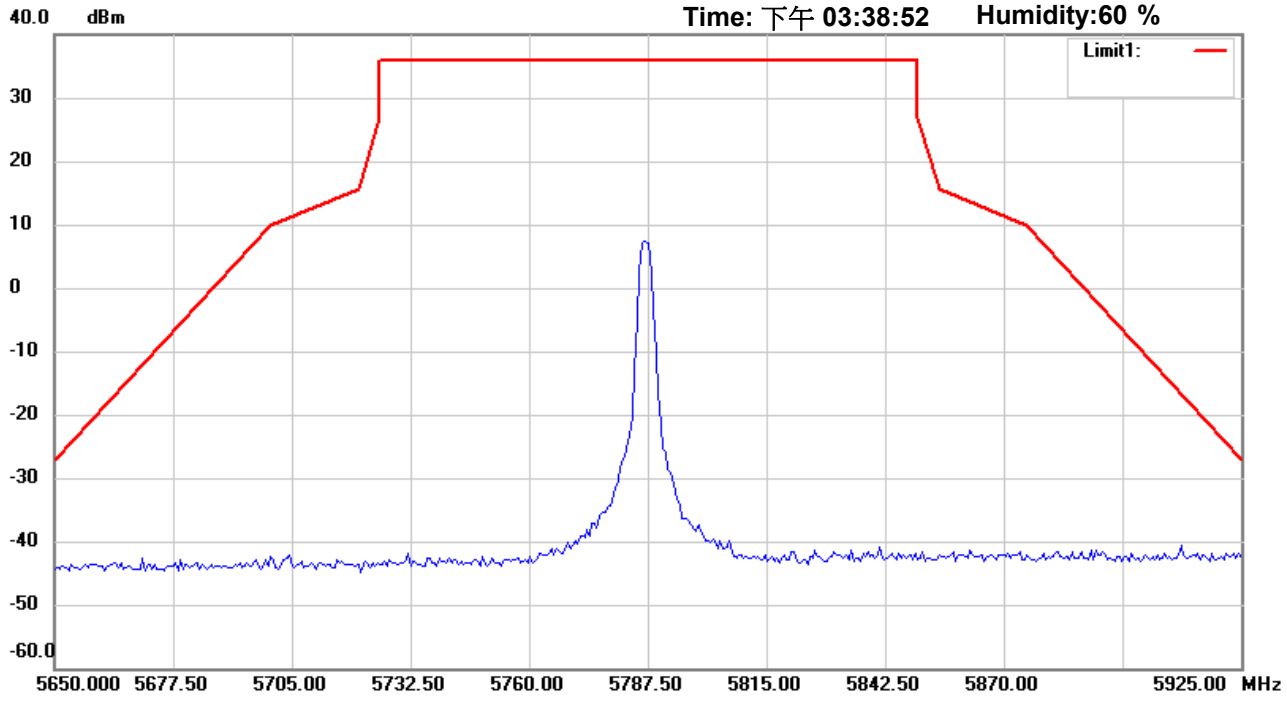
## Radiated Emission Measurement

Operator: Kent
File :5787MHZ Data :#1 Date: 2021/5/4 Temperature:24 ℃
Time: 下午 03:38:52 Humidity:60 %




Site : Chamber
Condition : FCC_5G Band4 Mask
EUT : W6M22104-20819
M/N:
Test Mode : TX 5787MHz
Note :

Polarization: *Horizontal*
Power : 12 Vd.c.
Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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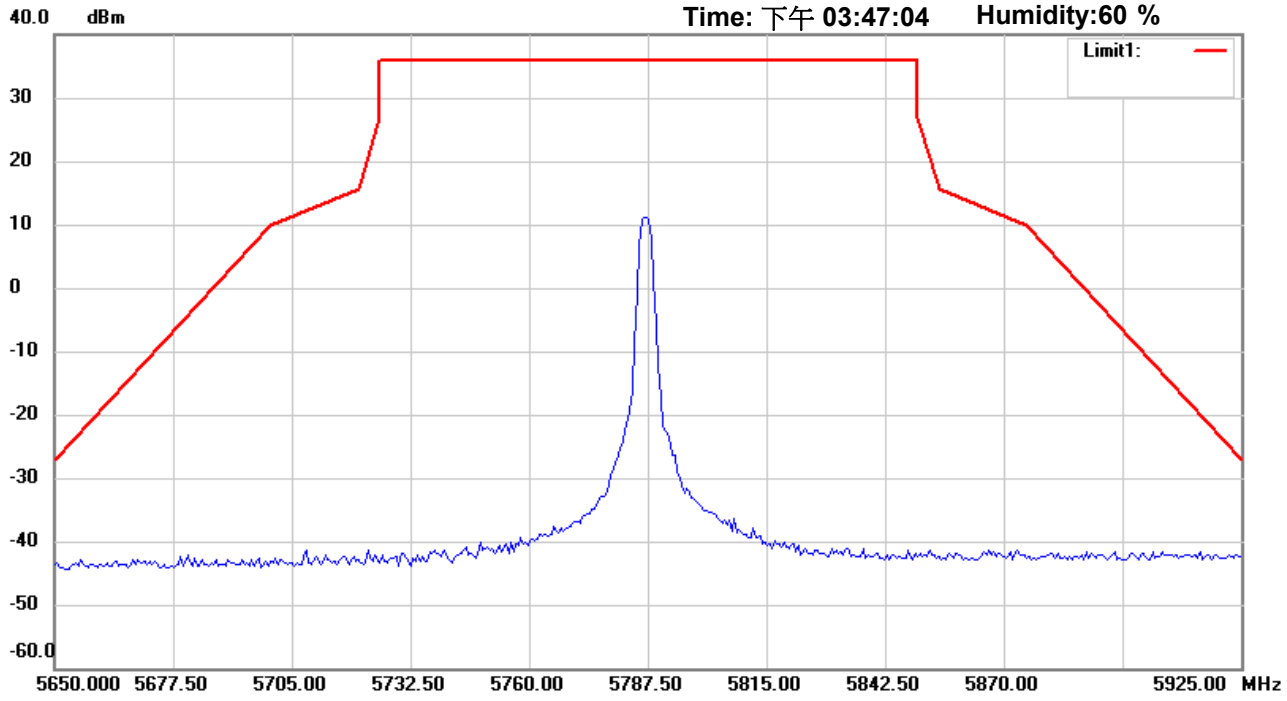
## Radiated Emission Measurement

Operator: Kent

File :5787MHZ | Data :#2 | Date: 2021/5/4 | Time: 下午 03:47:04 | Temperature:24 ℃ | Humidity:60 %




Site : Chamber

Condition : FCC_5G Band4 Mask

Polarization: *Vertical*

EUT : W6M22104-20819

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 5787MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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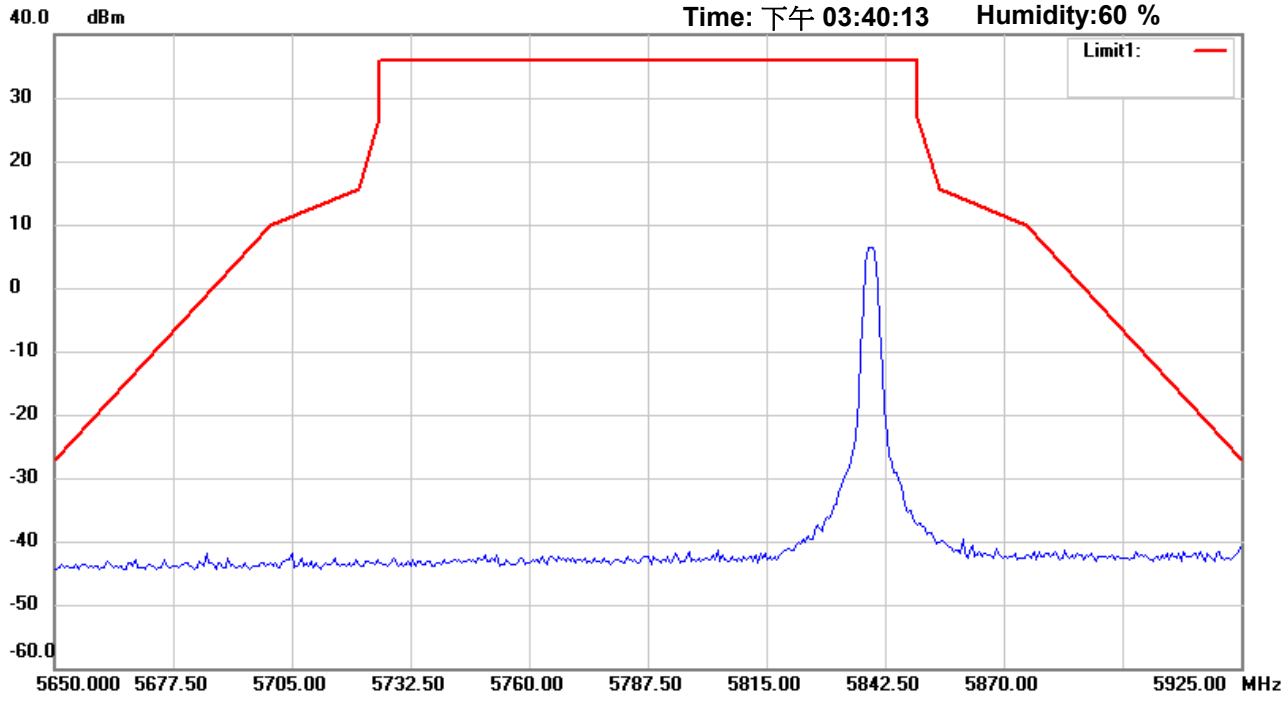
## Radiated Emission Measurement

Operator: Kent

File :5839MHZ | Data :#1 | Date: 2021/5/4 | Time: 下午 03:40:13 | Temperature:24 ℃ | Humidity:60 %




Site : Chamber

Condition : FCC_5G Band4 Mask

Polarization: *Horizontal*

EUT : W6M22104-20819

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 5839MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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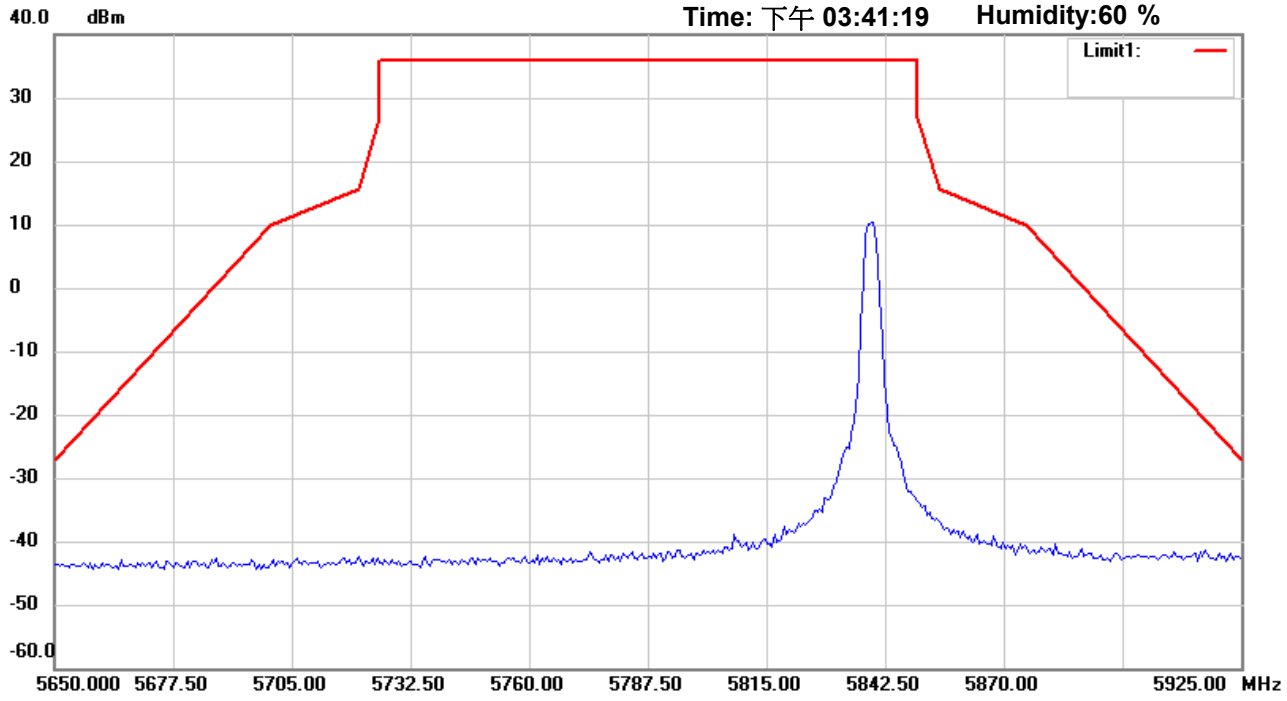
## Radiated Emission Measurement

Operator: Kent

File :5839MHZ | Data :#2 | Date: 2021/5/4 | Time: 下午 03:41:19 | Temperature:24 ℃ | Humidity:60 %




Site : Chamber

Condition : FCC_5G Band4 Mask

Polarization: *Vertical*

EUT : W6M22104-20819

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 5839MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin